



City of Peoria, Arizona Notice of Request for Proposal



Request for Proposal No: **P05-0068** Proposal Due Date: **March 14, 2005**
 Materials and/or Services: **Public Safety GIS System** Proposal Time: **5:00 P.M. MST**
 Contact: **Christina Williams**
 Project No: Location: **City of Peoria, Materials Management** Phone: **(623) 773-7115**
 Mailing Address: **8314 West Cinnabar Avenue, Peoria, AZ 85345**

In accordance with City of Peoria Procurement Code competitive sealed proposals for the material or services specified will be received by the City of Peoria Materials Management at the specified location until the date and time cited above. Proposals shall be in the actual possession of the City of Peoria Materials Management on or prior to the exact date and time indicated above. Late proposals will not be considered, except as provided in the City of Peoria Procurement Code. **Proposals shall be submitted in a sealed envelope with the Request for Proposal number and the offeror's name and address clearly indicated on the front of the envelope.** All proposals shall be completed in ink or typewritten. Offerors are strongly encouraged to carefully read the **entire** Request for Proposal Package.

OFFER

To the City of Peoria: The undersigned on behalf of the entity, firm, company, partnership, or other legal entity listed below offers on its behalf to the City a proposal that contains all terms, conditions, specifications and amendments in the Notice of Request for Proposal issued by the City. Any exception to the terms contained in the Notice of Request for Proposal must be specifically indicated in writing and are subject to the approval of the City prior to acceptance. The signature below certifies your understanding and compliance with Paragraph 1 of the City of Peoria Standard Terms and Conditions (form COP 202) contained in the Request for Proposal package issued by the City.

Arizona Transaction (Sales) Privilege
Tax License Number: _____

For clarification of this offer contact:

Name: Chris Baldwin

Federal Employer Identification
Number: 33-052083

Telephone: (858) 450-2590

The Omega Group, Inc.
Company Name


Authorized Signature for Offer

5160 Carroll Canyon Road, 1st Floor
Address

Christopher Baldwin
Printed Name

San Diego California, 92121
City State Zip Code

Western Division Sales Consultant
Title

ACCEPTANCE OF OFFER AND CONTRACT AWARD (For City of Peoria Use Only)

Your offer is accepted by the City, subject to approval of each written exception that your proposal contained. The contract consists of the following documents: 1.) Request for Proposal issued by the City; 2.) Your offer in Response to the City's Request for Proposal; 3.) This written acceptance and contract award.

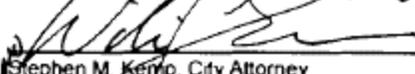
As the contractor, you are now legally bound to sell the materials and/or services listed by the attached award notice, based on the solicitation of proposals, including all terms, conditions, specifications, amendments and your offer as now accepted by the City. The Contractor shall not commence any billable work or provide any material, service or construction under this contract until the Contractor receives an executed Purchase Order or written Notice to Proceed.

Attested by 
Mary Jo Kief, City Clerk

City of Peoria, Arizona Effective Date: 7-7-05

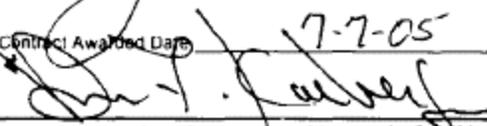
Approved: William L. Emerson, Deputy City Attorney

CC: N/A


Stephen M. Kemp, City Attorney



Contract Number
A CON 29505

Contract Awarded Date: 7-7-05

Herman F. Koebergen, Materials Manager

Official File: _____

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY)
7/20/05

PRODUCER
DRIVER ALLIANT INSURANCE
1620 FIFTH AVENUE
SAN DIEGO, CA 92101
PRODUCER: CARMEN SCOPPETTUOLO

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW

INSURED
The Omega Group Inc
5160 Carral Canyon Road, 1st Fl.
San Diego CA 92121-1775

COMPANIES AFFORDING COVERAGE	
COMPANY A	FEDERAL INSURANCE COMPANY
COMPANY B	
COMPANY C	
COMPANY D	

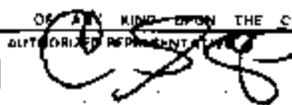
COVERAGES

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

CU LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	UNITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS MADE <input checked="" type="checkbox"/> OCCUR OWNERS & CONTRACTORS PROTECT	35797495	8/27/04	8/27/05	GENERAL AGGREGATE \$ 200000 PRODUCTS - COM/CP AGG \$ 200000 PERSONAL & ADV LIABILITY \$ 100000 EACH OCCURRENCE \$ 100000 FINE DAMAGE (Any one trial) \$ 100000 MED EXP (Any one person) \$ 10000
A	AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	74961759	8/27/04	8/27/05	COMBINED SINGLE LIMIT \$ 100000 BODILY INJURY (Per person) \$ OCBILY INJURY (Per accident) \$ PROPERTY DAMAGE \$
	GARAGE LIABILITY ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY EACH ACCIDENT \$ AGGREGATE \$
A	EXCESS LIABILITY <input checked="" type="checkbox"/> UMBRELLA FORM OTHER THAN UMBRELLA FORM	79822226	8/27/04	8/27/05	EACH OCCURRENCE \$ 100000 AGGREGATE \$ 100000
	WORKERS COMPENSATION AND EMPLOYERS LIABILITY THE PROPRIETOR, PARTNERS, EXECUTIVE OFFICERS ARE <input type="checkbox"/> NCL <input type="checkbox"/> EXCL				WC STATE (BY LIMITS) \$ DISEASE \$ B. EACH ACCIDENT \$ DISEASE - POLICY LIMIT \$ DISEASE - EA EMPLOYEE \$
A	OTHER PROFESSIONAL LIABILITY E & O * 10-DAY NOTICE FOR NONPAYMENT	35797495	8/27/04	8/27/05	\$1,000,000 CLAIMS MADE \$1,000,000 ANNUAL AGGREGATE \$25,000 DEDUCTIBLE

DESCRIPTION OF OPERATIONS, LOCATIONS/VENUES/SPECIAL ITEMS
BID #P05-0068, PROJECT NAME - PUBLIC SAFETY GIS SYSTEM.
CITY OF PEORIA IS NAMED AS ADDITIONAL INSURED.
RESPECTIVE ADDITIONAL INSURED ENDORSEMENT TO FOLLOW

CERTIFICATE HOLDER
CITY OF PEORIA
MATERIALS MANAGEMENT
8314 WEST CINNABAR AVENUE
PEORIA, AZ 85345-6560

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL UNDERTAKE TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT. BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.
AUTHORIZED REPRESENTATIVE: 



The leader in providing innovative GIS solutions to public safety and education agencies.

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Phone: 858.450.2590 • Fax: 858.450.0239

E-mail: mail@theomegagroup.com • Web: www.theomegagroup.com

June 27, 2005

Kimberley Benedict, CPPB
City of Peoria
8314 W. Cinnabar Ave
Peoria, AZ 85345

RE: City of Peoria Solicitation Number P05-0068, Public Safety GIS System

Dear Kimberley Benedict,

Enclosed with this letter you will find the finalized Scope of Work and Fee Schedule, Dated June 27, 2005.

Also included as addendums to the Scope of Work are the Omega Import Wizard Appendix and a Project Plan.

Please let me know if you have any questions.

Thank you.

Chris Baldwin
Western Division Sales Consultant

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Request For Proposal

Solicitation Number: P05-0068

Prepared for

The City of Peoria, Arizona



June 27, 2005

NON-DISCLOSURE

This proposal has been prepared by the sales division of The Omega Group and is a confidential document that contains ideas, concepts, methods and other proprietary information. Readers are to treat the information contained herein as confidential and may not copy or reproduce any of these materials for distribution outside of their organization without the written permission of The Omega Group.



THE OMEGA GROUP

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Executive Summary

The Omega Group offers solutions to a wide range of geographic data and planning needs. Omega specializes in helping organizations perform complex spatial and demographic planning tasks through the use of tailored geographic information system applications. The Omega Group proposes to implement FireView™ for the Fire Department and Services to implement the Omega Import Wizard for the Police Department. FireView™ is designed for public safety agencies to analyze fire and emergency response data. The Omega Import Wizard is designed to facilitate the importing of tabular data into ESRI based products. Both FireView™ and The Omega Import Wizard utilize the latest ESRI technology, ArcGIS 9.0.

The Omega Group has developed the Omega Import Wizard to enable a user friendly method for setting up and automating the conversion of tabular data into spatially enabled data, usable in ESRI based products.

The Omega Group has developed FireView™ to enable effective analysis of fire and emergency response data, and provides mapping tools to help review existing deployment policies and develop new strategies. FireView™ is a supporting tool for Standards of Response Coverage. FireView integrates Fire and EMS data with GIS allowing agencies allowing immediate access of data in the GIS environment.

Our project management team will work with staff from each agency to identify the necessary GIS data layers along with the desired crime/ fire and emergency response data from their respective databases. Our staff will use the data to design and implement an interface between the databases and the applications, along with building the necessary querying and reporting capabilities for (FireView) output. Once the FireView application and the Import Interfaces have been tested at the Omega offices and meet the expectations of the client, Omega will schedule onsite installation and training.

The easy-to-use analysis tools and the training we provide will help to further develop the skills and experience of your departments as well as reduce the time required for analysis compared to conventional techniques.

The Omega Group is an industry-leading developer of innovative Geographic Information Systems (GIS) software designed to aid decision-making in public safety through mapping, analysis and reporting, using CrimeView® and FireView™. Our products are designed for use with ESRI technology only. Both Desktop and Web based applications are available. For more information, visit www.theomegagroup.com.

All Omega software products are owned and supported solely by The Omega Group.

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I.) The Omega Group Capabilities

Qualifications of The Omega Group

- Over 10 years of experience working with law enforcement agencies
- A national reputation with more than 300 law enforcement agencies
- Specializing in crime mapping software development
- Staff includes certified crime analysts and retired law enforcement personnel
- Active participant in National Institute of Justice's Crime Mapping Research Conference
- Published research on innovative uses of Crime Mapping
- CrimeView[®] is used cooperatively between school districts and public safety agencies to address school safety
- Staff is experienced in the area of Fire and Emergency Management Services
- 2002 ESRI Business Partner of the Year
- 2004 ESRI Foundation Partner of the Year

The Omega Group is an industry-leading developer of innovative Geographic Information Systems (GIS) software designed to aid decision-making in law enforcement through mapping, analysis and reporting, using CrimeView[®].

The Omega Group was founded on June 15, 1992 and is a California sub-chapter S Corporation based in San Diego. The Omega Group offers solutions to a wide range of geographic data and planning needs. Omega specializes in helping organizations perform complex spatial and demographic planning tasks through the use of tailored geographic information system applications. Omega provides complete system installations depending on our clients' organizational structure. Our principal clients include police departments, fire departments, and school districts and currently number over three hundred agencies. CrimeView[®] has been on the market since 1996 and has been installed at over three hundred law enforcement agencies, making it the most widely used crime mapping software.

Implementation History

Lincoln Police Department (Nebraska)

The Omega Group researched, coordinated, and implemented a highly customized desktop crime analysis application utilizing CrimeView. After the initial training Chief Tom Casady expressed an interest in providing crime analysis data to the entire police department staff through their intranet. A CrimeView Internet application was then built that provided browser based information throughout the department. In an effort to enact a community oriented policing approach, a CrimeView Community application was also built that allowed the general public to view crime analysis data as it pertained to their individual neighborhoods. These three products were able to provide three different levels of crime analysis to the Lincoln Police Department. CrimeView Desktop was reserved for more intensive analysis by a few crime analysts. CrimeView Internet

allowed all officers access up to date information in each police beat, and CrimeView Community helped the department with public relations as well as increasing the flow communication between civilians and sworn officers.

Virginia Beach Police Department

The Crime Analysis Unit at the Virginia Beach Police Department implemented CrimeView Desktop to analyze data from their Calls for Service and Record Management databases as well as incorporating locations of arrests, auto theft and recovered auto. After working with CrimeView Desktop, Crime Analyst Jeff Menger wanted the entire department to have access to crime mapping. CrimeView Internet was implemented as a browser based crime mapping solution that allowed anyone within the department to access up to date crime data with only a web browser and connection to the local network. The implementation of CrimeView Internet reduced the amount of requests to the Crime Analysis Unit for maps and crime statistics.

San Francisco Police Department

The Omega Group provided the San Francisco Police Department with a suite of digital crime mapping applications, including an advanced desktop analysis application, and two interactive web-based mapping applications - one to serve basic crime mapping to non-technical Police Department staff, and a public website for citizens to stay abreast of crime trends in their community. Omega integrated event and offender records from existing state and local databases with the mapping environment and established automated update mechanisms to keep the map information current for the three end-user applications.

Clovis Fire Department (California)

Using FireView, department personnel can map service areas and future patterns of city growth to determine the best possible location for new fire stations. The FireView program allows fire department planners to see the best locations for stations in the city. The Omega Group provided the Clovis Fire Department the FireView™ application to specifically address the relocation of resources within their jurisdiction. FireView™ enabled them to hypothetically create station locations within their community and evaluate it's placement by noting both the response time and coverage from each location and assess the call count per area based on it's coverage.

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References

Clients may attest to both project implementation experience and professionalism

Agency: Lincoln Police Department, Lincoln, NE

Officers: 300

Product: CrimeView⁴ Desktop

Installation: 2002

Contact:

Chief Tom Casady

(402) 441-7237

lpd304@ejis.ci.lincoln.ne.us

Agency: West Palm Beach Police Department, West Palm Beach, FL

Officers: 250

Product: CrimeView[®] Desktop

Installation: 2003

Contact:

Stephanie Holsonback

Crime Analyst

(561) 653-3517

sholsonback@wpb.org

Agency: Livermore Pleasanton Fire Department, California

Firefighters:

Product: FireView[™] Desktop

Installation: 2003

Contact:

Chief Stewart Gary

(925) 454-2300

sgary@lpfire.org

Agency: Eugene Fire Department, Oregon

Firefighters: 165

Product: FireView[™] Desktop

Installation: 2004

Contact:

Ruth Obadal

Planning Chief

(541) 682-7100

ruth.a.obadal@ci.eugene.or.us

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2.) Staff Assignments and Experience

Task 1.0 Police Department Implementation

Subtask 1.1 Identify, Acquire and/or Develop Database Components

This task will seek to identify, acquire and/or develop the necessary data source components required for the CrimeView® Desktop implementation. The components include:

- Digital address matchable street or parcel geography
- Geocoding of the Initial crime incident and person datasets

Digital Street File

PPD must provide accurate reference data that will be used to generate a geocoding service. Typically the reference data is a street centerline file or address point layer. More than one geocoding service can be used. For server side geocoding using ESRI's ArcSDE, the reference data that is used to create the geocoding service must be exported to a personal Geodatabase for testing. As an address matchable layer, street names and address ranges must be accurate and current. PPD will provide The Omega Group with a digital street centerline file to address match incidents with valid addresses or intersections. A parcel or address point layer can also be used in addition to the street file for greater address matching accuracy. The preferred file formats are ArcView Shape File (*.shp), ArcInfo Export (*.ef0) or Feature class within an ESRI personal Geodatabase (.mdb). Other formats are acceptable with prior approval from The Omega Group.

Crime Data

PPD will provide The Omega Group with three (3) months of historical data the HTE CAD for geocoding and creating the Import Profiles. Sample datasets must be imported using the Omega Import Wizard™. These data will be used to build import profiles and create report templates. With support from Omega, PPD shall determine which fields are necessary for reporting and analysis. The data set should include the following information as a minimum:

- Record ID Number: Must be unique and duplicate records should not be present
- Date: Report date and/or date of occurrence: Any supported format
- Time: Any format supported
- Location: A valid address or accurate X-Y coordinates. A street address typically includes street number, street direction, street name, and street type (preferably in one field, such as 5557 West Maple Street). Post Office boxes are considered invalid addresses and should be replaced with physical addresses. The city name, state, and zip codes should be placed in separate fields. Apartment numbers should also be in separate fields or preceded by the "#" symbol at the end of the address. All intersections should have a single standard separator (e.g., an ampersand "&" or forward slash "/"). If X-Y coordinates are used, these must be complete and accurate to the application data reference projection.

- **Call Type:** Information about the incident type, typically a code and not a description.
- **Descriptive:** A character field that describes the call type (e.g. armed robbery, burglary).
- **Other Fields:** Other fields helpful for analysis include Time of Dispatch, Time of Arrival, Officer ID, Number of Persons Arrested, Weapon Used, MO, Gang Related, Drug Related, Disposition, and Foreign keys to other tables.

PPD shall provide detailed information on appropriate database schema (database structures) and code definitions. Database schema should include table names, field names, field types, field sizes, and key fields required for joining tables.

In order for the Import Profiles to function properly, it is important that source data sets and/or data exported from the CAD system is in the same format as provided in the original crime data extraction. It is also imperative that the data in each field is standardized and accurate. Records without valid addresses or intersection locations will not be geocoded during the data import process.

Subtask 1.2 Import Crime Datasets

With the assistance of The Omega Group Project Manager, and using information provided by PPD about their database schema, PPD will determine what information will be used imported via the Omega Import Wizard into ArcView.

PPD will develop the necessary mechanism for exporting the crime data from the HTE CAD 4 System. The preferred mechanism for exporting data from the HTE CAD 4 System is the ATAC application. This shall be completed prior to the Omega Group's development of the Omega Import Profiles.

The Omega Import Wizard™ (please see The Omega Import Wizard Appendix) will be used to develop Import Profiles to import crime data into ArcView automatically from your HTE CAD 4 via the PPD's ATAC application. Import Profiles will automatically access and process the appropriate data for inclusion into the spatially enabled incident database (ESRI compatible format). The Profiles include multiple geocoding steps for addresses and intersections and address fixes. The Omega Group will include three (3) Profiles. The Omega Group can develop Profiles for other data sets for an additional fee.

The format of the data exported from PPD's HTE CAD 4 System will be identical to the data provided in the original crime data historical export as described in Task 1.1 above. Additionally the data will be uniform and in a format acceptable to ArcView. Records without valid addresses or intersection locations, data that is not consistent with PPD's HTE CAD 4 System, or data that is in a noncompliant format will be excluded and will not be transferred to the ArcView layers during the geocoding and data import process.

Subtask 1.3 Application Installation, Testing and Acceptance

The Omega Group will provide onsite application installation and training of The Omega Import Wizard. The installation of the software will occur in conjunction with the onsite training, which is outlined in Subtask 1.4 below. Upon completion of on-site installation and training, PPD will then be responsible for testing the software and providing The Omega Group with formal written acceptance within (30) business days after the installation, provided that the following acceptance criteria to be met:

- All of the Import Profiles are working correctly and geocoding at an acceptable rate based on the original data extraction

Subtask 1.4 Training

The Omega Group will provide four (4) hours of on-site training for up to four (4) persons for the Omega Import Wizard software on-site at PPD's facility. This training is specifically for the Omega Import Wizard only and does not include any specific training on ESRI's ArcGIS software application. The Omega Import Wizard software training will occur after the on-site installation task as described in Subtask 1.3 above.

Under this Proposal it is assumed that the administrator scheduled for the Omega Import Wizard software training shall have proficient personal computer (PC), MS Windows operating system, and ArcGIS application skills. The system administrator will have a solid understanding of ESRI's ArcGIS software. *Introduction to ArcGIS* training is outside of this Scope of Work.

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Task 2.0 FireView™ Desktop Implementation**Subtask 2.1 Identify, Acquire and/or Develop Database Components**

This task will seek to identify, acquire and/or develop the necessary data source components required for the FireView™ Desktop implementation. The components include:

- Digital address matchable street, parcel, or address point geographic layers
- Digital networkable street layer
- Boundary and landmark data layers
- Geocoding of the initial fire and emergency response incident and field report data

Digital Street File

Base data for fire and emergency response analysis must include an accurate address matchable and networkable street database. It is vital that this street network file accurately supports networking functions, including travel speeds, one-way streets, prohibited turns, overpasses, underpasses, and closed streets, where appropriate. As an address matchable layer, street names and address ranges must be accurate and current. The PFD will provide Omega with a digital street centerline file to address match incidents with valid addresses or intersections. A parcel or address point layer can also be used in addition to the street file for greater address matching accuracy. The file format may be a personal geodatabase, shapefile or as a feature class stored in ArcSDE. Other formats are acceptable with prior approval from The Omega Group.

Boundary and Landmark Features

For map reference and analysis purposes, PFD shall provide files of relevant boundaries and landmarks within the area of interest. Typical features include:

- Boundaries and jurisdictions such as beats and reporting districts
- Landmark information such as schools, parks, and other locations of interest
- Aerial photographs that can be incorporated as an optional geographic layer

The file format for boundary and landmark information will be a personal geodatabase, shapefile or as a feature class stored in ArcSDE. The preferred file format for aerial photographs is GEOTIF or MrSID. Other formats are acceptable with prior approval from The Omega Group.

Fire and Emergency Response Data

PFD will provide The Omega Group with three (3) months of historical fire and emergency response data in a standardized format for geocoding and creating the Import Profiles. Sample datasets must be imported using the Omega Import Wizard™. These data will be used to build import profiles and create report templates. With support from Omega, PFD shall determine which fields are necessary for reporting and analysis. The data set should include the following information as a minimum:

- Record ID Number: Must be unique and duplicate records should not be present
- Date: Report date and/or date of occurrence: Any supported format
- Date/Time Stamps: In 24 hour clock (19:47, not 7:47 PM). These time stamps typically include times Received, Dispatched, Enroute, Arrived, and Cleared.
- Location: A valid address or accurate X-Y coordinates. A street address typically includes street number, street direction, street name, and street type (preferably in one field, such as 5557 West Maple Street). Post Office boxes are considered invalid addresses and should be replaced with physical addresses. The city name, state, and zip codes should be placed in separate fields. Apartment numbers should also be in separate fields or preceded by the “#” symbol at the end of the address. All intersections should have a single standard separator (e.g., an ampersand “&” or forward slash “/”). If X-Y coordinates are used, these must be complete and accurate to the application data reference projection.
- Call Type: Numeric or string values
- Descriptive: A character field that describes the call type (Structure Fire, EMS, etc.).
- Other Fields: Other fields helpful for analysis include Type of Situation Found, Point of Origin, Damage Estimate, Location of Unit at Time of Call, etc.

PFD shall provide detailed information on appropriate database schema (database structures) and code definitions. Database schema should include table names, field names, field types, field sizes, and key fields required for joining tables.

Once The Omega Group has geocoded and imported historical data files, these data will be available to PFD in the FireView™ application. These data can be used for immediate reporting, as a basis for analyzing patterns and trends, and to analyze response effectiveness.

In order for the Import Profiles to function properly, it is important that source data sets and/or data exported from the Access Database and Firehouse system data sources are in the same format as provided in the original fire and emergency response data subset. It is also imperative that the data in each field is standardized and accurate. Records without valid addresses or intersection locations will not be geocoded during the data import process.

Subtask 2.2 Import Fire and Emergency Response Data

With the assistance of The Omega Group Project Manager, and using information provided by PFD about their database schema, PFD will determine what information will be used within the FireView™ application. PFD will develop the necessary mechanism for exporting the Fire and Emergency Response data from the Access Database and Firehouse system data sources.

If the client's DBMS is not Microsoft SQL Server or Oracle, then a native OLE DB provider for the database or the appropriate ODBC driver must be installed. It is the client's responsibility to supply and install the correct OLE DB provider or ODBC driver. Omega will not create or install provider/driver.

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The client's Database Administrator (DBA) should be able to supply the information as to what OLE DB providers or ODBC drivers are required for the client's DBMS. This shall be completed prior to The Omega Group's development of the Omega Import Profiles.

The Omega Import Wizard™ will be used to develop Import Profiles to import fire and emergency response data into FireView™ automatically from your Access Database and Firehouse system data sources. Import Profiles will automatically access and process the appropriate data for inclusion into the FireView™ incident database (ESRI compatible format). The Profiles include multiple geocoding steps for addresses and intersections, address fixes, and the creation of FireView™ specific data fields for inclusion into the FireView™ application. The Omega Group will include up to three (3) Profiles to insure full FireView™ functionality. These Profiles are used to import the following data sets:

- Calls For Service
- Apparatus
- Inspection Data

These datasets are acquired from your Access Database and Firehouse system data sources. The frequency of data updates depends on your specific requirements (i.e., daily, weekly, monthly, interactive).

The format of the data exported from PFD's Access Database and Firehouse system data sources will be identical to the data provided in the original Fire and Emergency Response data historical export as described in Task 2.1 above. Additionally the data will be uniform and in a format acceptable to FireView™. Records without valid addresses or intersection locations, data that is not consistent with PFD's Access Database and Firehouse system data sources, or data that is in a noncompliant format will be excluded and will not be transferred to the FireView™ layers during the geocoding and data import process. Please refer to the Omega Import Wizard Technical Appendix.

Subtask 2.3 Develop Reporting, Mapping and Analysis Capabilities

The Omega Group will develop the following reports and queries in support of PFD's FireView™ implementation:

The Omega Group will build the following standard report templates: Exception Report, Incident Repeat Calls, Response Comparison, Response time fractals and Response Time Apparatus as well as one (1) summary and one (1) detailed report for each import profile) based on the fire and emergency response data provided. Any report substitutions are solely at the discretion of the Omega project manager. PFD will identify which fields are to be included in each report. PFD can build additional report templates using the customization tools available in FireView™ (Crystal Reports). The Omega Group can build additional report templates for PFD on a time and materials basis.

A set of customized saved queries will be developed by The Omega Group as a tool for specific data analysis. Saved queries will be developed with assistance by PFD for each import layer. These analyses can be performed through the standard functions of the FireView™ application. PFD can add new queries to the original set at any time.

Subtask 2.4 Application Installation, Testing and Acceptance

The Omega Group will provide onsite application installation and training of FireView™. The installation of the software will occur in conjunction with the onsite training, which is outlined in Subtask 2.5 below. Upon completion of on-site installation and training, PFD will then be responsible for testing the application and providing The Omega Group with formal written acceptance within (30) business days after the installation, provided that the following acceptance criteria to be met:

- All of the Import Profiles are working correctly and geocoding at an acceptable rate based on the original data extraction
- All of the Crystal Reports that are developed are working correctly.
- All of the Query functionality is working correctly.
- All of the Density Mapping functionality is working correctly.

Subtask 2.5 Training

FireView™ application data analysis skills and experience will be developed in PFD's organization through in-depth training and everyday use of the FireView™ application. The Omega Group will provide sixteen (16) hours of on-site training for four (4) persons for the FireView™ Desktop software on-site at PFD's facility. This training is specifically for the FireView™ Desktop application only and does not include any specific training on ESRI's ArcGIS software application. FireView™ Desktop software training will occur after the on-site installation task as described in Subtask 2.4 above. Upon request by PFD. The Omega Group can provide training for other staff members for an additional fee.

Under this Proposal it is assumed that all individuals scheduled for FireView™ Desktop software training shall have proficient personal computer (PC), MS Windows operating system, and ArcGIS application skills. The system administrator will have a solid understanding of ESRI's ArcGIS software. *Introduction to ArcGIS* training is outside of this Scope of Work.

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3.) Project Approach

The City of Peoria Responsibilities

The Omega Group anticipates that the City of Peoria will utilize existing GIS infrastructure, i.e. ArcSDE to facilitate management of both Crime and Fire Response Data.

Prior to the implementation of both applications, the following criteria will be confirmed:

- Communication: The City of Peoria and The Omega Group have identified personnel assigned to the project and provided each other contact information.
- Workstations: The operating systems for the workstations are installed with the latest MS OS service packs and hotfixes and the workstations are connected to the network.
- VPN Access: Secure or Confirm for The Omega Group a VPN Connection for remote access. (as necessary)

Prior to the Omega Import Wizard Installation the following items should be completed by the Network Administrator / GIS Administrator:

- ESRI Training Course: The PPD Onsite Administrator has completed ESRI's Introduction to ArcView (course)
Website: <http://training.esri.com/ilt/schedule/index.cfm>
- CrimeViewSM Desktop Training Facility: The City of Peoria has identified and confirmed the Workstation to install the Omega Import Wizard on. Training will be conducted with the administrator(s) at this workstation.
- ArcView 9.0: The PPD has received and installed one (1) copy of ArcView 9.0 for the Import Wizard

Prior to the FireView™ installation the following items should be completed by the Network Administrator / GIS Administrator:

- ESRI Training Course: The primary user of FireView has completed ESRI's Introduction to ArcView (course)
Website: <http://training.esri.com/ilt/schedule/index.cfm>
- FireView Desktop Training Facility: The PFD has secured a room to train four (4) individuals on FireView Desktop. The room will require four (4) workstations, each with a copy of ArcView 9.0 and Spatial Analyst 9.0 installed. The PFD will install the software. (For training purposes, The Omega Group may provide an additional license of FireView)
- ArcView 9.0: The PFD has received and installed copies of ArcView 9.0 on each FireView workstation
- Spatial Analyst 9.0: The PFD has received and installed copies of Spatial Analyst 9.0 on each FireView Workstation

The following subtasks indicate a chronological order for the implementation the Omega Import Wizard and FireView™. The subtasks line up with subtasks identified within the Scope of Work. A timeline is provided (see Additional Data Support)

Task 1: The Implementation of the Omega Import Wizard for the Police Department

Subtask 1.1 Identify, Acquire and/or Develop Database Components

Subtask 1.1 the PPD Responsibilities

- Provide accurate and address-matchable street centerline and/or other address reference layer(s).
- Provide three (3) months of historical data from the HTE CAD 4
- Provide necessary fields for reporting and analysis.
- Provide data schema detailing the database structure as well as field definitions and descriptions.

Subtask 1.1 The Omega Group Deliverables

- Geocoded and imported historical data file

Subtask 1.2 Import Crime Datasets

Subtask 1.2 the PPD Responsibilities

- Develop mechanism for exporting crime data.
- Ensure format of data is consistent and in a compliant format that is acceptable to the processes defined above.
- Provide access to knowledgeable staff for the duration of this task.

Subtask 1.2 The Omega Group Responsibilities

- Develop three (3) profiles.

Subtask 1.3 Application Installation and Testing

Subtask 1.3 the PPD Responsibilities

- Provide access to knowledgeable staff for the duration of this task.
- Perform testing of the Omega Import Wizard.

Subtask 1.3 The Omega Group Responsibilities

- Application installation (4 hours) (Installation will be done during the same trip as Subtask 1.4 below)
- Using the Omega Import Wizard, Omega will update data layers with information from the PPD's HTE CAD.

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Subtask 1.4 Training*Subtask 1.4 the PFD Responsibilities*

- Assign one person, with a proficient understanding of ESR) ArcView software, to be responsible for system administrative duties.

Subtask 1.4 The Omega Group Responsibilities

- Provide four (4) hours of on-site training for up to four (4) persons over one (1) day.

Task 2: The Implementation of FireView™ Desktop**Subtask 2.1 Identify, Acquire and/or Develop Database Components***Subtask 2.1 the PFD Responsibilities*

- Provide accurate, address-matchable and networkable street centerline and/or other address reference layer(s).
- Provide boundary and landmark files.
- Provide three (3) months of historical data from each data set.
- Provide necessary fields for reporting and analysis.
- Provide data schema detailing the database structure as well as field definitions and descriptions.

Subtask 2.1 The Omega Group Deliverables

- Geocoded and imported historical data file

Subtask 2.2 Import Fire and Emergency Response Data*Subtask 2.2 the PFD Responsibilities*

- Develop mechanism for exporting fire and emergency response data.
- Provide complete and accurate data to The Omega Group from PFD's Access Database and Firehouse system data sources in a timely manner.
- Ensure format of data is consistent and in a compliant format that is acceptable to the processes defined above.
- Provide access to knowledgeable staff for the duration of this task.

Subtask 2.2 The Omega Group Responsibilities

- Develop up to three (3) profiles.

Subtask 2.3 Develop Reporting, Mapping and Analysis Capabilities*Subtask 2.3 the PFD Responsibilities*

- Provide access to knowledgeable staff for the duration of this task.

Subtask 2.3 The Omega Group Responsibilities

- Develop up to ten (10) report templates.
- Develop a set of custom queries.

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Subtask 2.4 Application Installation and Testing

Subtask 2.4 the PFD Responsibilities

- Provide access to knowledgeable staff for the duration of this task.
- Perform testing and acceptance of the application.

Subtask 2.4 The Omega Group Responsibilities

- Application installation (4 hours) (Installation will be done during the same trip as Subtask 1.5 below)

Subtask 2.5 Training

Subtask 2.5 the PFD Responsibilities

- Assign one person, with a proficient understanding of ESRI ArcView software, to be responsible for system administrative duties.

Subtask 2.5 The Omega Group Responsibilities

- Provide sixteen (16) hours of on-site training for up to four (4) persons over one, two (2) day period.

Desktop Requirements (Hardware and Software)**Software for Client Workstations**

The following section provides details regarding the software, along with the recommended hardware and requirements, for a successful Omega Import Wizard (for the Police Department) and FireView™ implementation. ESRI's ArcGIS and Spatial Analyst are required for implementation of FireView.

ESRI Software

The following software products are required as a part of a Scope of Work.

For The Omega Import Wizard the following ESRI software will be required:

- *One (1) licensed copy of ArcGIS ** (ArcView 9.0), single use license.

For FireView™ the following ESRI software will be required:

- One (1) licensed copy of ArcGIS (ArcView 9.0), single use license.
- One (1) licensed copy of Spatial Analyst for ArcGIS 9.x, single use license

* ArcGIS (ArcCatalog) is required for the Omega Import Wizard to perform updates.

** ArcInfo or ArcEditor will be the required software if incident data from Fire and Police RMS/ CAD systems are managed under ArcSDE.

Omega Software

The following software products will be provided by The Omega Group as a part of the implementation for the PPD.

- One (1) licensed copy of Omega Import Wizard, with three (3) profiles

The following software products will be provided by The Omega Group as a part of the implementation of FireView™ for the PFD

- One (1) licensed copies of FireView™ software
- One (1) licensed copy of Omega Import Wizard, with up to three (3) profiles

Hardware for the Client Workstations

The Omega Group recommends the following computer specifications for FireView™:

Pentium IV processor	
512 MB to 1 GB System RAM	
40 GB hard drive	
Windows XP	
CD-ROM drive	
Microsoft Mouse & 104-key keyboard	
19" Video Monitor	
Microsoft Windows XP	

Server Hardware

Omega infers from the RFI that the city of Peoria plans to have the applications access Geography data from the ArcSDE 8.3.

If the city of Peoria intends to have both Crime and Fire data import directly into the city maintained ArcSDE 8.3, the implementation would require an available copy of ArcInfo or ArcEditor for the Omega Import Wizard software. (please see or request Omega Import Wizard Appendix)

No other server hardware required.

Data Reads/Writes Capabilities

The Omega Import Wizard

The Omega Import Wizard relies on read-only ODBC or OLE DB access to data sources for collection of incident and other data sets. The resulting geodatabases, which typically reside on a server for multi-user access, can be read and written to as needed by the department. Access to these data layers is governed by the local department network administrator.

Package Pricing: Not to exceed: \$40,090.00
 This package includes all software and services and is provided below.

Software: \$7,500.00

Software for the Police Department: (\$2,500)

- One (1) licensed copy of the Omega Import Wizard

Software for the Fire Department: (\$5,000)

- One (1) licensed copy of FireView™
- One (1) licensed copy of the Omega Import Wizard

Services: \$23,500.00

Professional Services:

- Configuration of up to three (3) Omega Import Wizard™ Profiles to be used by the Police Department
- Configuration of up to three (3) Omega Import Wizard™ Profiles to be used with FireView™
- Up to fifteen (15) standard Crystal Report templates for FireView™
- Geocoding of three (3) months of historical data for each data set
- Creation of Saved Queries for FireView™
- Project Management
- GIS Data Testing

Onsite Installation and Training, and Travel: \$9,090.00

Travel for The Omega Group staff member to provide installation and training during two (2) trips, approximately four (4) days.

Trip 1 - Police Department

- The Omega Import Wizard Installation Up to four (4) hours on-site. One (1) Omega personnel.
- The Omega Import Wizard On-site training: Up to (4) hours on-site for four (4) persons. One (1) Omega personnel.

Trip 2 - Fire Department

- FireView™ Installation: Up to eight (8) hours on-site. One (1) Omega personnel.
- FireView™ On-site training: Sixteen (16) hours on-site for four (4) persons. One (1) Omega personnel.

All additional work not identified in proposal will be charged at a \$125/per hour.

The first year of Customer Support has been included in the package price.

The First Annual renewal (and ongoing maintenance) of The Omega Group Customer Support Package is \$3995.00. (Please see Customer Support, page 21)

Price Book Information**Individual Software Licenses**

CrimeView [®] (2-10) each	\$1,500
FireView [™] (2-10) each	\$1,800
The Omega Import Wizard	\$5,000
ArcView 9.x single use license	\$1,500
ArcGIS Spatial Analyst 9.x single use license	\$2,500

Professional Services and Training

Additional Import Profiles, each	\$2,500
Additional street files, each	Call for Estimate
Additional geocoding & digitizing	Call for Estimate
Additional training per person	\$795

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Customer Support

Installed Applications:

- Omega Import Wizard – Police Department (1 license, 3 Profiles)
- FireView™ Desktop (1 license)

The First Annual renewal of The Omega Group Customer Support Package is \$3995.00.

In order to be eligible for software support, installations must be performed by an Omega certified installer. This requirement assures that telephone support, software service packs, and major version upgrades can be administered effectively.

The Customer Support Package includes toll free technical support, minor software upgrades, and discounts on new software versions for one (1) year. The Omega Group plans to upgrade Omega applications approximately once a year. These upgrades will both enhance the usability of the software as well as add additional functionality, especially in the area of analysis tasks. Upgrades can be either minor revisions or new versions with significant changes. Users that maintain a Customer Support Package will be provided with minor software upgrades at no cost and will be able to obtain new software versions at discounted prices.

Support Hours

Technical support phone hours are from 7:30am to 5:30pm Pacific Time, Monday through Friday. Where the client permits, remote access will be available during the same hours. Omega will make every effort to resolve issues at the time of the call from the client. Pending on the scope of the technical issue, resolution may take time.

Project Development Updates

The Project Manager will be responsible to the client for communicating any updates for the applications. The Omega Group plans to upgrade it's applications approximately once a year. Enhancements to the applications may be patches that can be downloaded from our website, or may require The Omega Group to send updated versions of the software via the mail. Notifications of updates are communicated to the client either by telephone or E-Mail.

Website Support

Through The Omega Group website, the latest support news, documentation and software updates may be found.

Please visit: http://www.theomegagroup.com/support_supportRequest.htm

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Support Policy

The Omega Group Support is limited the policies below:

General Terms

To be eligible for Omega support services, users should be aware of, and adhere to the following terms:

- You must register each software installation with The Omega Group. The Project Manager will assist with software registration.
- The Omega Group provides technical support for it's software and/or the data import interface only. Specific items not included under technical support are provided below (Section: Limitations).
- Your first full year of participation in Omega Customer Support is included with your initial purchase of the applications and extends for 12 months from the date of installation. Thereafter, the Support Program must be renewed annually, payable in advance based on the date of installation, to continue support services.
- Prices and terms are subject to change without notice. Fees are based on the rates in effect at the time payment is due.
- Should there be a lapse in payment, all past due fees must be paid to restart service.

Limitations

Users should be aware of the following limitations regarding support services:

- Omega's technical support is limited to unmodified Omega technology.
- Technical support is not a replacement for adequate training. Customized training is available from Omega at an additional cost.
- Developer support is not included in standard technical support. Developer support provides support for advanced customization and development.
- The terms and conditions of this policy are subject to change by The Omega Group.
- The Omega Group does not provide technical support for applications that may interface with it's software
- The Omega Group's Customer Support package is not a replacement for ESRI's software Maintenance Program and does not include costs for ESRI's ArcView and/or ArcIMS.

Term

The term of the Support Period shall commence on the Effective Date and shall continue in effect until terminated in accordance with its terms.

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4.) Location of Work

The Omega Group performs all work leading up to installation and training at it's headquarters in San Diego, California.

Installation services are typically performed at the client's site. However, The Omega Group recommends VPN capabilities to enable initial installation services to be completed offsite. The Omega Group has found this practice to facilitate troubleshooting and testing of the application. Furthermore, it supports the end user gaining valuable experience with the software prior to onsite training.

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5.) Additional Data Support

- **Resumes**

BRUCE SILVA**Director of Software Applications Development****BACKGROUND**

Mr. Silva has been with The Omega Group since 1994 and has extensive experience in software application development and GIS software design for crime mapping and analysis, emergency response, and school facility planning. His educational background includes Urban Geography, Spatial Analyses, Applied Statistics, Human Spatial Behavior, Migration, and Demographic Modeling. His experience as a demographer includes regional, local, and site level enrollment forecasts, as well as attendance area boundary analyses. Programming and application development environments include ArcView GIS, Avenue, Delphi, ArcGIS, Visual Basic, VBA, and Python.

EXPERIENCE**The Omega Group:**

GIS software design and application development for crime analysis (CrimeView®), emergency response (FireView™) analysis, and school demographic analysis and facilities planning (School Planner). GIS project management and technical consulting, including desktop and web applications, demographic research and modeling, and GIS training. Managed the customization of CrimeView® and FireView™ applications for the following departments:

<ul style="list-style-type: none"> • Memphis Police Department • Phoenix Police Department • Honolulu Police Department • Anchorage Police Department • Riverside Police Department • Redlands Police Department • Livermore-Pleasanton Fire Department 	<ul style="list-style-type: none"> • Arcadia Police Department • Fontana Police Department • Gardena Police Department • Lincoln Police Department • Yakima Fire Department • San Bernardino County Sheriff • Grand Rapids Police Department
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San Diego Unified School District:

Chief Demographer responsible for all regional, local and site level enrollment forecasts, attendance area boundary analyses, and GIS software application and software development for a district of 130,000 students and 160 schools.

EDUCATION

University of California, San Diego: Major in Mathematics

University of California, Santa Barbara: Bachelor of Arts in Economic Geography

University of Alaska, Anchorage: Applied Statistics, Demographics and Computer Programming

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PROFESSIONAL AFFILIATIONS

Anchorage Population Committee
Anchorage Real Estate Research Committee
Anchorage School District Superintendent's Panel of Experts on Anchorage's Future
San Diego Housing Commission's Fair Housing Task Force and Forum
Annual USC Demographic Workshops
Annual UCSB Geographic Workshops
LAPALS, Southern California Paradox User's Group
San Diego Real Estate Research Council
URISA, San Diego Chapter

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GREG PAUL DIXON
GIS Project Manager and Supervisor

BACKGROUND

Greg Dixon has extensive knowledge of statistical geography, demographic principals, and geographic information systems. He has performed a wide range of analyses tasks including population projections, urban modeling, regional planning, geographic crime analysis, database assessment, and boundary evaluation.

SELECTED CLIENTS

Conejo Valley Unified School District, CA: Designed, built, and implemented a turnkey geographic database that aids the District in facility planning and pupil placement. Assisted with the creation of a customized database maintenance module.

Davis Fire Department, CA: Design, development and delivery of a fire data analysis package to assist in identifying fire hot spots and revealing spatial patterns of fire activity

New Castle County Sheriff, DE: Designed, built, and implemented a turnkey geographic database that aids the Police Department in crime analysis and forecasting.

Oakland County, MI: Design and implementation of a regional GIS application serving 134 public agencies.

Redlands Police Department, CA: Produced and taught an extensive geographic information system training course for over thirty police officers.

Spartanburg County Sheriff, NC: Designed, built, and implemented a turnkey geographic database that aids the Police Department in crime analysis and forecasting.

Vista Unified School District, CA: Elementary boundary redistricting study, capacity comparison study, enrollment projections, and development of a customized geographic database

EDUCATION

University of California, Davis Campus: Bachelor of Science, Geography

San Diego State University, San Diego: Master of Arts, Geography

PRESENTATIONS

2003 Vista Unified School District Board of Education. "Proposed Attendance Boundary Changes for Elementary Boundaries." Vista, CA

1999 The San Diego State Department of Geography. "Pollution and Mortality Along the US - Mexico Border." San Diego, CA.

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- **The Omega Import Wizard Appendix (Request Digital Copy)**

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#	Task	Start	End	Dependencies	Resources	Notes
1	PO Review	1-Jul	1-Jul			
2	Software Delivery Defined	1-Jul	1-Jul			
3	Task 10: Review, Develop and Implement	1-Jul	1-Jul			
4	Task 10: Review, Develop and Implement for PD	1-Jul	1-Jul			
5	Identify, Acquire and/or Develop Database Components	1-Jul	1-Jul			
6	Develop Import Profiles for Crime Database	1-Jul	1-Jul			
7	Training	1-Jul	1-Jul			
8	CrimeView Acceptance	1-Jul	1-Jul			
9	Task 20: Review, Develop and Implement	1-Jul	1-Jul			
10	Develop, Acquire and/or Develop Database Components	1-Jul	1-Jul			
11	Build Import Profiles for Fire and Emergency Databases	1-Jul	1-Jul			
12	Develop Reporting, Mapping and Analysis Capabilities	1-Jul	1-Jul			
13	Application Installer and Testing	1-Jul	1-Jul			
14	Training	1-Jul	1-Jul			
15	Final Acceptance	1-Jul	1-Jul			
July to November						
1st Payment Due						
2nd Payment Due						
3rd Payment Due						
4th Payment Due						
5th Payment Due						
Final Payment Due						
Import Wizard Services						
1-Aug						
15-Aug						
3rd Payment Due						
Final View Complete						
1-Oct						

The Omega Import Wizard

Technical Appendix 1.6

Fundamental to Geographic Information Systems (GIS) is the data. This data is used for analysis, to create maps and reports. Omega prides itself in making our client's data available for GIS. To that end, the Omega Import Wizard has been developed to manage the geographic data used by the OmegaGIS applications.

The Omega Import Wizard is an extension to ArcCatalog and it provides a means to import datasets from Database Management Systems (DBMS) or ASCII files and then geocode the dataset so it can be used with OmegaGIS.

This appendix is intended to provide detailed technical information on the process of importing datasets with the Omega Import Wizard. The supported functionality is outlined as well as the responsibilities of both Omega and the client.

This appendix starts out by introducing the technology used to import the datasets (Section A), then the implementation process of the Omega Import Wizard is outlined (Section B) and lastly, customization of the Omega Import Wizard is reviewed (Section C).

A. Microsoft Data Access Components (MDAC)

In the past, the connections to the client's DataBase Management System (DBMS) have been through Open DataBase Connectivity (ODBC). ODBC is a widely accepted industry standard that is designed to allow applications to access relational databases, independent of the database's file format. Microsoft initiated this standard in 1988. To use ODBC, an ODBC driver is required. It is this driver that is responsible for establishing connections with the database, submitting Structured Query Language (SQL) statements and returning the resulting datasets. Each DBMS, such as Microsoft SQL Server or Oracle, has its own specific ODBC driver.

Realizing the limitations with the ODBC standard, Microsoft introduced its solution in 1996, the Universal Data Access strategy. At the foundation of this strategy is OLE DB technology but also includes ODBC. OLE DB provides new database access based on Microsoft's Component Object Model (COM). OLE DB builds on the success of ODBC by providing an open standard for accessing all kinds of data. OLE DB requires providers, similar to ODBC drivers. These providers handle the exchange of information between the data provider (database) and the data consumer (an application, such as ArcCatalog) that requires access to the data.

Collectively, the technologies that implement the Universal Data Access strategy, that includes OLE DB and ODBC, are known as the Microsoft Data Access Components (MDAC). ArcGIS uses the MDAC and installs it. The OLE DB providers that are installed with the MDAC include; Jet (Microsoft Access), Microsoft SQL Server, Oracle and ODBC Drivers. For further information on the Universal Data Access strategy and OLE DB, refer to the Microsoft website: www.microsoft.com/data

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B. Implementation Process

This section outlines how data is typically made available for an OmegaGIS project. Omega will assign a Project Manager to work with the client to implement OmegaGIS. The responsibilities of Omega and the client during the Implementation process are outlined in this section.

B.1 Initial Dataset Extraction

The initial step in building an OmegaGIS project, for both the desktop and/or ArcIMS, is to get a sample dataset from the client's DBMS. An example would be getting a dataset from the Records Management System (RMS). The sample dataset must be extracted through the use of ArcCatalog and the Omega Import Wizard because this is how it will be done when the OmegaGIS project is deployed (refer to B.3).

B.1.1 Make Database Connection

The client must first install ArcGIS and then the Omega Import Wizard. The Omega Import Wizard is an extension of ArcCatalog and cannot be installed without ArcGIS.

Using ArcCatalog, a 'database connection' is made to the client's DBMS using OLE DB. The OLE DB connections in ArcCatalog are created and managed with Microsoft Data Link Properties utility; this utility is installed with the MDAC. It is the client's responsibility to ensure that the correct OLE DB provider or ODBC driver is installed.

B.1.1.2 Appropriate Provider or Driver

If the client's DBMS is not Microsoft SQL Server or Oracle, then a native OLE DB provider for the database or the appropriate ODBC driver must be installed. It is the client's responsibility to supply and install the correct OLE DB provider or ODBC driver. Omega will not create or install a provider/driver. There may be a cost in purchasing the provider or driver from a third party and it is the client's responsibility to pay for this.

The client's DataBase Administrator (DBA) should be able to supply the information as to what OLE DB providers or ODBC drivers are required for the client's DBMS.

B.1.1.3 Data Source Name

If ODBC is being used then a Data Source Name (DSN) must be created. This is done with the ODBC Data Source Administrator that is included with the Windows operating system. Omega can assist in the creation of the DSN but the responsibility rests with the client because every ODBC driver has different requirements in their setup.

Omega recommends that an OLE DB provider be used rather than an ODBC driver. However, if a native OLE DB provider is not available for the client's DBMS then an ODBC driver may be used.

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B.1.1.3 Unable to connect to DBMS and Text Imports

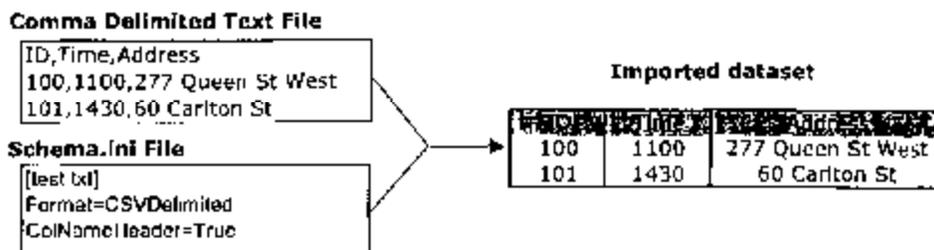
In situations where it is not possible to make a database connection through ArcCatalog to the client's DBMS then it is the client's responsibility to export the required data from the database. This can occur with legacy databases that do not have ODBC drivers. The supported export formats include ASCII fixed length file or ASCII delimited file. The Omega Import Wizard supports only one text file for each layer to be created.

The client must provide information on the structure of the text file in order to ensure that the data will be imported correctly. The structure of the text file cannot change or the Omega Import Wizard Profile (refer to B.2) will have to be updated. The structure information must include:

- *Format of the text file.* Valid formats are tab delimited, comma delimited, any other delimiter (except double quotation marks), or fixed length.
- *Field names.* The names of the fields is not required if the first line of the text file contains field headers.
- *Field type.*
- *Width of Field.* This is an absolute necessity for fixed length formats.
- *Text Delimiter.* Some text files have a text delimiter that is used for designating values for text fields, such as a single quote ('). If a text delimiter is used, it must be specified.

Using tools included with the Omega Import Wizard, the structure information is used to create a schema information file. This file is named schema.ini and is used in conjunction with the Microsoft ODBC Text Driver to access the data in the text file (Figure 1). The ODBC Text Driver is installed by ArcGIS.

Figure 1: Text File Import



There are some known limitations with the ODBC Text Driver which include:

- A delimited text file must use the same delimiter throughout the file.
- A record can be on one line only and not spread across multiple lines.
- Any single character can be used as a delimiter except the double quotation mark (").
- Tables are limited to a maximum of 255 fields.
- Field names are limited to 64 characters.

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- Field names should not include dashes, spaces or brackets.
- Field widths are limited to 32,766 characters.
- Records are limited to 65,000 bytes.
- Decimal and scientific notation cannot be mixed in a column.

For more information about this driver and about the schema.ini file, please refer to the Microsoft documentation at the Microsoft ODBC web site:
www.microsoft.com/data/odbc.

B.1.1.4 Connection Information

Omega can assist the client in creating the database connection in ArcCatalog so long as the appropriate OLE DB provider or ODBC driver is installed. Other information that the client must provide may include:

- Authentication information; username and password.
- Name of server that contains the database.
- Name of the database.

The information on how to connect to the DBMS should be available from the client's DBA.

Note: it is important to use the same authentication method during the initial data extraction that will be used during deployment. This will prevent problems with permissions to the client's DBMS.

B.1.1.5 Read Only Connection

It is important to understand that the Omega Import Wizard only selects records and does not alter the client's DBMS. In fact, the Omega Import Wizard creates a 'read only' database connection and the client's DBMS cannot be altered. Consequently, the user that connects to the DBMS only requires 'SELECT' permissions.

B.1.2 Determine Information to Include

Once the database connection has been established, Omega will work with the client to determine what information is to be used within OmegaGIS. The information to be used is dependent upon the types of analysis to be done within the OmegaGIS application and what information is available.

This is a crucial step in building the project. ArcCatalog may be used to browse the data within the DBMS to determine what information to import. It should be noted that the process of determining what information to include will require detailed discussion between Omega and the client and it may take some time.

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B.1.2.2 Required Fields

The datasets that are imported through the Omega Import Wizard should include at least the following:

Primary Key: this is a field or a composite of fields that uniquely identify each record in the imported dataset. The primary key is required to ensure that there are no duplicated records within the dataset when merging (refer to B.2.5).

Date of Record: the date of the incident. This is not required for a 'persons' layer type (refer to B.2.1.2).

Time of Record: the time of the incident. This is not required for a 'persons' layer type (refer to B.2.1.2).

Location: a valid address (refer to B.2.4.6) or accurate x, y coordinates (refer to B.2.4.10). These coordinates should be in the same coordinate system as the base layers (such as a police beat).

Call Type: information on the type of incident.

B.1.2.3 Database Schema

To assist in this process the client must provide information on the database schema. This is required when the information to be imported is contained in two or more tables within the DBMS. In order to import the data, the SQL query used to extract data from the DBMS must join the tables together. Specifically, the following information is required when joining tables:

Cardinality: This is information on the relationship between the tables being joined. There are three generic types of cardinality, one-to-one, one-to-many and many-to-many. Note: a cardinality type of many-to-many is rarely, if ever, implemented within a DBMS, an intermediary table is used.

Primary and Foreign Key: The primary key uniquely identifies each record in a table, while the foreign key is a primary key of another table. Depending on the cardinality of the relationship, the foreign key may or may not have duplicated values. For example, with a cardinality of one-to-many, the primary key is a field in the 'one' table and the foreign key is a field in the 'many' table. These fields are required when joining tables together in a SQL query.

Optionality of the Relationship: This is whether or not a record in a table is required to participate in a relationship with another table. The optionality of the relationship determines how the tables are joined. This information is required for the SQL query, either the 'OUTER JOIN' or 'INNER JOIN' syntax would be used depending on the optionality.

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B.1.2.4 Schema Example

For example, a dataset is being imported from the client's DBMS that is to contain information on police reports. The date, time and location of the incidents in the police reports are contained in a table called 'INCIDENT', while the crime types are contained in another table called 'OFFENSE'. In order to do analysis of where certain types of crimes are occurring, information from both tables must be imported. Information on the database schema was determined to be:

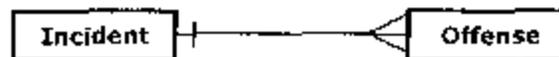
The *cardinality* between the 'INCIDENT' and 'OFFENSE' table is one-to-many. That is, each incident can have more than one crime type. An example would be an incident where there was a robbery and an assault.

The *primary key* of the 'INCIDENT' table was the 'Case_Number' field and the *foreign key* of the 'OFFENSE' table was the 'Incident_Link' field.

Every record in the 'INCIDENT' table has at least one record in the 'OFFENSE' table; this is the *optionality of the relationship*.

One way to visualize the relationship between tables is with an Entity Relationship (E/R) diagram (Figure 2). In the diagram, the line joins the two tables show that there is a relationship between the tables and the cardinality is represented by a crow's foot (many) and a single bar (one). Although not required, the E/R diagrams can assist in understanding how the relationship between the tables works.

Figure 2: Sample E/R Diagram



B.1.2.5 Database View

Omega recommends that when possible, that views are created in the client's DBMS, especially when there are numerous table joins. A view is a predefined query that is stored in the database. The view has the appearance of an ordinary table and is accessed like a table but it does not require physical storage.

In situations when security is an issue, a view can be used to restrict user access to particular fields in a table or to rows that meet specific conditions in the 'WHERE' clause of the view's query.

The client is responsible for the creation of the view. The client's DBA should be able to implement the view. Omega can provide assistance as to what information to include in the view.

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B.1.3 Extract Dataset

When the decision on what information to use in the OmegaGIS has been determined, the Omega Import Wizard will be used to extract a sample dataset. The database connection within ArcCatalog is used to pass a SQL query to the DBMS and the DBMS returns a dataset. Each layer that is created (refer to section B.2.5) can come from only one dataset.

B.1.3.2 Date Parameter

It is highly recommend that a date parameter be used when extracting the data; this limits the amount of data that is extracted. The SQL syntax for the date parameter must be done in the initial data extraction step and not afterwards. Typically, three months of data is required to provide a representative sample.

More than one date parameter can be used in the SQL query. This would be useful when one date parameter queries for recent records and another date parameter queries for updated records. This would require that a field contains information on when the record was entered into the DBMS and another field identifying when the record had been updated.

B.1.3.3 Sample Dataset

The Omega Import Wizard creates a file containing the resulting sample dataset and connection information which is sent to Omega. This file can be either uploaded to the Omega web site or copied to a Compact Disk/Zip Disk (100MB) and mailed to the Omega offices.

One sample dataset is required for each layer being created (refer to B.2.5). For example, if three shapefiles are to be created to be used within the OmegaGIS application; a RMS, a Registered Sex Offender and a Calls for Service, then three sample datasets will have to be created.

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B.2 Building the Profile

Once Omega has received the sample dataset, Omega will then build the Profile. A Profile is used by the Omega Import Wizard and it contains information on how to extract the dataset from the DBMS, create the Omega fields, the geocoding steps and what is to be done with the resulting feature class. The contract outlines how many Profiles that Omega will build; however clients can also build their own Profiles. All of the tools used to create the Profile are included with installation of the Omega Import Wizard along with documentation.

Outlined below are the steps and capabilities in building the profile.

B.2.1 Create OmegaGIS Fields

The OmegaGIS applications such as CrimeView have specific fields in a standard format that are required to perform attribute queries. The Omega Import Wizard creates these OmegaGIS fields. Information from fields in the imported dataset are used to generate the OmegaGIS fields (Figure 3). The values in the source fields are not altered. The fields that may be created include;

Date: numeric field with yyyyMMdd format.

Time: text field with hhmm format.

Day of Week (DOW): numeric field, each day of the week has a different value. Sunday has a value of 0 and Monday has a value of 1.

Response Time: numeric field with the amount of time it took to respond to the incident. Measured in decimal minutes with the mm.mm format. Two minutes and thirty seconds would be 2.5 decimal minutes.

Response Time 2: numeric field with the amount of time it took to respond to the incident. Measured in minutes with values being rounded to the nearest minute.

Figure 3: OmegaGIS Fields

Source Date	Source Time	Target Date	Target Time	Target DOW
4/29/2002	6:45:00	20020429	0645	1
5/15/2002	14:12:26	20020515	1412	3

Note: the OmegaGIS fields are not required. However, date and time queries will not be available. For example, the OmegaGIS fields are typically not created when importing person datasets; such as Registered Sex Offenders.

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B.2.1.2 Supported Formats

The supported formats of the source fields are outlined in Table 1 and Table 2. The Day of Week field uses the same source field as the Date. The 'y' is the year, 'M' is the month, 'd' is the day, 'h' is the hour, 'm' are the minutes and 's' are the seconds. The delimiter for the date and time may be any value.

Table 1: Supported Date Formats

Field Type	Format	Leading Zeros
Text	yyMMdd	n.a.
Text	yyyyMMdd	n.a.
Text	yyyy-MM-dd	n.a.
Text	MMddyy	yes
Text	M-dd-yy	no
Text	MM-dd-yy	yes
Text	M dd-yyyy	no
Text	MM-dd-yyyy	yes
Numeric	yyMMdd	n.a.
Numeric	yyyyMMdd	n.a.
Text	MM-dd-yyyy hhmm	yes
Text	yyyy-dd-MM hh:mm:ss	no
Text	yyyy-dd-MM hh:mm:ss.sss	no

Table 2: Supported Time Formats

Field Type	Format	Leading Zeros
Text	hhmm	yes
Text	hhmm	no
Text	hhmmss	yes
Text	h:mm	no
Text	hh:mm	yes
Text	h:mm:ss	no
Text	hh:mm:ss	yes
Numeric	hhmm	n.a.
Text	MM-dd-yyyy hhmm	yes
Text	yyyy-dd-MM hh:mm:ss	n.a.
Text	yyyy-dd-MM hh:mm:ss.sss	n.a.
Text	M-dd-yy hh:mm:ss AM	no

The currently supported formats are the ones Omega most commonly encounters and this list will continue to grow. If the client has a date and/or time format that is not currently supported, then Omega may provide support without additional cost. However, if the format is deemed by Omega to be unique to the client then it will require customization (refer to section C). This could occur with a Julian like date format.

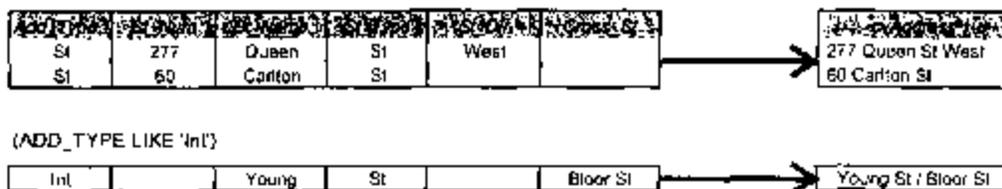
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B.2.2 Create Composite Fields

The Profile can create composite fields. A composite field is a new text field that is created based on the concatenation of multiple fields in the imported dataset.

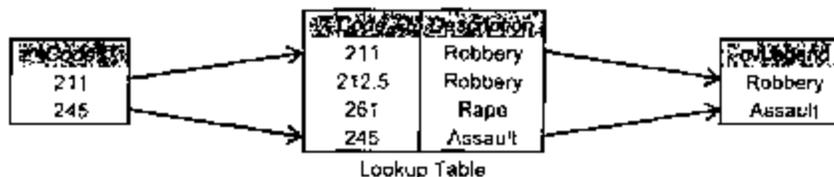
Typically address information is separated into multiple fields and the geocoding process requires only one field to contain the address. Consequently a new field is created called 'iwAddress', which is a concatenation of a number of fields (Figure 4). In some cases when the address is an intersection, other fields contain the address information such as 'Cross St'. The Omega Import Wizard supports the use of a query when creating a composite field.

Figure 4: iwAddress as a composite field



A new field can also be generated from information from a 'lookup' table. The lookup table is imported into the Profile. For example, a client may have a code but not descriptive information on that code. A lookup table could be used to populate a new field 'iwLegend' that could be used when making map legends (Figure 5).

Figure 5: Lookup Table



B.2.3 Data Cleaning

Existing or composite (refer to B.2.2) text fields in the imported dataset can be cleaned. This is the process of making the imported dataset more accurate by removing mistakes and inconsistencies. One reason to do this is to increase the geocoding match rate by 'cleaning' the address field (refer to B.2.4.7). Data cleaning is also referred to as 'address fixes' but it is important to realize that these fixes can be done on any text field.

The types of data cleaning that are currently supported with the Omega Import Wizard include:

Simple Substitution: replaces a text string with another text string. An example would be changing the word "Washigtin" with "Washington".

If/Then Substitution: replaces a text string with another text string so long as the replacement string is not found in the field. An example would be changing "65 St Annes" to "65 St Annes Rd"; the change would not occur if

the original text string were "65 St Annes Rd" otherwise the result would be "65 St Annes Rd Rd".

B.2.4 Geocoding

Geocoding is the process of creating a geometric representation (such as a point) of a location from textual descriptive information, such as an address.

B.2.4.2 Address Locator

ArcGIS uses 'address locators' to geocode addresses (formerly known as 'geocoding services' with ArcGIS 8.x). Address locators use reference data to find locations. Reference data is typically a street centerline file with information about the address ranges for each segment of the street. Other types of reference data include property parcels.

The format of the reference data can either be an ESRI shapefile or a feature class in an ESRI GeoDatabase. Other formats of reference data are not supported and must be converted into either an ESRI shapefile or a feature class in an ESRI GeoDatabase. Omega can assist in this process but the responsibility remains with the client.

If multiple address locators are being used then all of the reference data must have the same spatial reference system. Omega can provide assistance but the responsibility for any conversion of the reference data is with the client.

The ArcCatalog application is used to create the address locator based on the reference data. Although ArcGIS supports the geocoding indexes created and maintained by ArcView 3.x, Omega highly recommends that a new address locator be generated based on the same reference data.

Omega asks that all reference data provided by the client come with metadata. Metadata is detailed information about the data. Metadata may include the source of the data, its creation date and format, its projection, scale, resolution, and accuracy.

B.2.4.3 Address Locator Styles

Address locators are based on a style. Each address locator style has specific requirements for the reference data that it can use to match addresses. The Omega Import Wizard only supports the predefined address locator styles that come with ArcGIS. These are called 'ESRI Feature-Data-Object (FDO) Address Styles'. If the client has developed a custom address locator style then Omega will review the style to determine if it can be supported.

ArcGIS 9.0 introduces 'composite address locators' that reference several other address locators and chains them together. The Omega Import Wizard does not support the use of composite address locators. Geocoding steps in the Omega Import Wizard (B.2.4.7) contain more advanced functionality than provided by composite address locators.

B.2.4.4 Zone

When geocoding to large geographic regions, such as to an entire county, Omega recommends using an address locator style that supports zones. The zone provides additional information used to resolve ambiguity between addresses by identifying a region in which the address is located. The zone could either be a ZIP code or city name or police beat. For example, in one county there could be three streets with

the name "Main" but all streets are within different towns. The use of an address locator style that used zones would prevent records from being geocoded to the wrong "Main" street.

There are two requirements when using an address locator style that uses zones:

- A. The reference data, such as the street centerline file, must include accurate zone information.
- B. The imported dataset must include zone information.

B.2.4.5 Alternative Street Names

When the reference data for an address locator is a feature class within an ESRI GeoDatabase (personal or enterprise) another table within that GeoDatabase can be used to define alternate street names. The address locator styles that use 'AltName' are supported by the Omega Import Wizard. Furthering this, during the building of the Profile, Omega may add alternate street names.

An example of alternate street name is seen with the renaming of streets. A street may have been renamed to "John F. Kennedy Street" but people still refer to it as "Bridge Street". Using an address locator style that uses 'altname' would geocode records with both the street names.

B.2.4.6 Standardization Fixes

In the geocoding process, the address is standardized by the address locator. That is, the address is dissected into its address components. Each address locator style has different address components. For example, the address "45 Winston Churchill Rd S" has four components when using the US Streets address locator style:

- Street number, "45"
- Street name, "Winston Churchill"
- Street type, "Rd"
- Street direction, "S"

The Omega Import Wizard supports the use of standardization fixes. These fixes are applied when the address locator incorrectly standardizes the address. During the process of building the Profile, Omega may discover addresses that are not standardized correctly and add a fix. Refer to Table 3 for the supported address locator styles where the Omega Import Wizard can apply standardization fixes.

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Table 3: Address Locator Styles and support Standardization Fixes

Address Locator Style	Standardization Fixes
Single Field	
US One Address	*
US One Address with Zone	*
US One Range	*
US One Range with Zone	*
US Streets	*
US Streets with Zone	*
5-Digit ZIP	
Zip+4	
Zip+4 Range	

Note: The address locator styles that include alternative street names are supported for standardization fixes.

B.2.4.7 Geocoding Steps

The Omega Import Wizard supports geocoding to multiple address locators and altering the matching options based on a query. The matching options include the spelling sensitivity and the minimum match score. The address locator to use and matching options are referred to a 'Geocoding Step'. There is a limit of 20 Geocoding Steps.

For example, for every record in the imported dataset the first Geocoding Step is to attempt to match to the parcel address locator. For those records that did not match, they move on to the second Geocoding Step. In this step the records are geocoded against the street centerline address locator. The third step is to reduce the minimum match score for those unmatched records that contain an intersection delimiter to the street centerline address locator.

B.2.4.8 Valid Address

A valid address is an address that includes a street number, street direction, street name and street type. An example of a valid address would be "277 Queen Street West". The zone information, if any, must be in separate field. Apartment numbers should also be in a separate field or preceded by the "#" symbol.

All intersections should have a single standard separator such as "&" or "/". An example of a valid intersection address would be "Young Street & Bloor Street".

Post Office boxes and street names without a street number are considered invalid addresses and cannot be geocoded.

B.2.4.9 Place Name Alias Table

A place name alias table permits records to be geocoded by common names (for example, "Town Hall") instead of by their street addresses. Omega may assist in the creation of the place name alias table.

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B.2.4.10 X-Y Coordinates

If the imported dataset contains accurate X-Y coordinates, then geocoding is not required. The X-Y coordinates accuracy and completeness is the responsibility of the client. The X-Y coordinates must be in different fields in the imported dataset. The Omega Import Wizard supports using the X-Y coordinates and then geocoding those records that lack coordinates.

B.2.4.11 Geocoding Match Rate

The geocoding match rate is the percentage of records whose location was found while geocoding. Omega attempts to get the highest match rate possible when building the Profile. This is done with data cleaning (refer to B.2.3), standardization fixes (refer to B.2.4.6), creating a place name alias table (refer to B.2.4.9) and by using alternative street names (refer to B.2.4.5) when possible.

There are a number of influences on the geocoding match rate that are beyond the control of Omega which include:

Reference Data – This is the underlying data used for geocoding (refer to B.2.4.2) and it has a significant influence on the geocoding match rate. Problems with the reference data include; being out of date, new subdivisions not included and missing information used to create the address locator (refer to B.2.4.3) such as address ranges.

Omega may do some limited editing on the reference data to increase the match rate. However, Omega recommends that the individual or organization that maintains the reference data make the necessary edits.

Address Locator Style – Omega recommends that the address locator style of 'Single Field' not be used. This style does not standardize the address (refer to B.2.4.6). Consequently, the address must be an exact match and it is difficult to get a high geocoding match rate.

Address Information – Textual descriptive information is used to find the location during geocoding. If this address information is of a poor quality and/or contains invalid addresses (refer to B.2.4.8) then this will result in a low match rate. The Omega Import Wizard contains many tools to 'clean' the address information but there is a limit to these fixes with poor data (refer to B.2.3). Consequently, it is important to have valid addresses entered during the data entry process. When possible, Omega recommends that the client works with their data entry personnel in providing information as to what is a valid address and inform them that their job is important to the success of having accurate GIS data.

B.2.5 Output Dataset

Once the imported dataset has been geocoded, the Omega Import Wizard supports the following:

- A. *Replace Feature Class*
Deletes the existing feature class, if any, and then creates a new feature class.

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B. Append Only

Appends records to an existing feature class; no duplicated records are removed. If the existing feature class is not found then a new one is created.

C. Remove Duplicated Records

Removes duplicated records in the feature class that is being appended too based on a primary key (refer to B.1.7.2). Once the duplicated records are removed, the new records are appended. If the existing feature class is not found then a new one is created.

D. Remove Duplicated Records with Date Range

Removes duplicated records in the feature class that is being appended too based on a primary key. Once the duplicated records are removed, the new records are appended. If the existing feature class is not found then a new one is created. After the appending process, the feature class is queried to remove old records based on a date range.

F. Truncate Feature Class

Deletes all records from an existing feature class, if any, and then inserts the new records. This output type should be used with a feature class stored in ArcSDE rather than the Replace Feature Class output type.

B.2.5.2 Supported Formats

The Omega Import Wizard supports appending to the following file formats:

ESRI Shapefile. When this format is used field names longer than 10 characters must be renamed. This is because dBASE, the underlying file format for the attribute table, only supports field names that are 10 characters or less. Omega recommends that each shapefile contain 100,000 records or less.

GeoDatabase, personal. A feature class within the ESRI personal GeoDatabase is a supported format. The records are stored within an MDB (Microsoft Access) file and Omega recommends that there be 250,000 records or less for each personal GeoDatabase.

The personal GeoDatabase is included with ArcGIS and permits multiple users with only one editor at a time. Omega also recommends this format over the ESRI shapefile.

GeoDatabase, Enterprise. The Omega Import Wizard can append to an existing feature class in an ESRI Enterprise GeoDatabase. This requires ArcSDE 9.0 and a supported commercial DBMS such as Microsoft's SQL Server. As well, the client must have at least the ArcEditor seat of ArcGIS. The ArcEditor seat is required to load the data into ArcSDE. Omega will not be responsible for the creation or tuning of the feature class unless specifically outlined in the contract.

ArcSDE may be an option for clients with large amounts of data, who have concerns about security and already have a DBA.

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B.3 Deploy Profiles

The Omega Import Wizard Profiles are built at the Omega office and are then deployed during the OmegaGIS installation. This involves registering the Profile with the Omega Import Wizard and testing.

B.3.2 Automation

The Omega Import Wizard can be run automatically. Within the Omega Import Wizard, one can create a Job that specifies the Profiles to run and the number of days to use in the SQL query. The scheduling software included with the Windows operating system handles the launching of the Job.

When a database connection is not possible (refer to B.1.1.3) then the appropriate ASCII file must be placed on a location on disk where the Omega Import Wizard can access it. The Omega Import Wizard can delete this file after the importing process. The file must have the same file name. The client is responsible for both the creation of the file and placing it in the correct location on disk.

Typically, new datasets are imported in the evening, which are then appended to existing layers so the data used in OmegaGIS is current.

C. Customization

This appendix outlines the supported functionality of the Omega Import Wizard. This functionality has been determined based on what the vast majority of OmegaGIS clients have required based on years of experience.

In those rare situations where the OmegaGIS project requires functionality not supported, then the Omega Import Wizard may be customized. There are two issues to be aware of with customization:

Time: Customization of the Omega Import Wizard will increase the amount of time required to deploy OmegaGIS. The amount of time will depend on the complexity of the situation and previously scheduled work. At a minimum, customization will add an additional four weeks to the deployment.

Cost: There will be a cost for the customization of the Omega Import Wizard. The building of the Profile refers to using the currently supported functionality and does not include customization. The cost of customization is not included in the contract unless specifically outlined.

Customization does not include the creation an OLE DB provider or an ODBC driver and creating an application to extract datasets without the use of ArcCatalog.

The actual format of the Profile and the source code of the Omega Import Wizard are proprietary and are not open source.

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REQUEST FOR PROPOSAL

INSTRUCTIONS TO OFFEROR

Materials Management Procurement

8314 West Cinnabar Avenue
Peoria, Arizona 85345-6560
Phone: (623) 773-7115
Fax: (623) 773-7118

1. PREPARATION OF PROPOSAL:

- a. All proposals shall be on the forms provided in this Request For Proposal package. It is permissible to copy these forms if required. Telegraphic (facsimile) or mailgram proposals will not be considered.
- b. The Offer and Contract Award document (COP Form 203) shall be submitted with an original ink signature by a person authorized to sign the offer.
- c. Erasures, interlineations, or other modifications in the proposal shall be initiated in original ink by the authorized person signing the Vendor Offer.
- d. If price is a consideration and in case of error in the extension of prices in the proposal, the unit price shall govern. No proposal shall be altered, amended, or withdrawn after the specified proposal due date and time.
- e. Periods of time, stated as a number of days, shall be calendar days.
- f. It is the responsibility of all Offerors to examine the entire Request For Proposal package and seek clarification of any item or requirement that may not be clear and to check all responses for accuracy before submitting a bid. Negligence in preparing a Proposal confers no right of withdrawal after proposal due date and time.

2. **INQUIRIES:** Any question related to the Request For Proposal shall be directed to the Buyer whose name appears on the front. The Offeror shall not contact or ask questions of the department for which the requirement is being procured. Questions should be submitted in writing when time permits. The Buyer may require any and all questions be submitted in writing at the Buyer's sole discretion. Any correspondence related to a Request For Proposal should refer to the appropriate Request For Proposal number, page, and paragraph number. However, the Offeror shall not place the Request For Proposal number on the outside of any envelope containing questions since such an envelope may be identified as a sealed proposal and may not be opened until after the official Request For Proposal due date and time.

3. **PROSPECTIVE OFFERORS CONFERENCE:** A prospective offerors conference may be held. If scheduled, the date and time of this conference will be indicated on the cover page of this document. The purpose of this conference will be to clarify the contents of this Request For Proposal in order to prevent any misunderstanding of the City's position. Any doubt as to the requirements of this Request For Proposal or any apparent omission or discrepancy should be presented to the City at this conference. The City will then determine if any action is necessary and may issue a written amendment to the Request For Proposal. Oral statements or instructions will not constitute an amendment to this Request for Proposal.

4. **LATE PROPOSALS:** Late Proposals will not be considered, except as provided by the City of Peoria Procurement Code. A vendor submitting a late proposal shall be so notified.

5. **WITHDRAWAL OF PROPOSAL:** At any time prior to the specified proposal due date and time, a Vendor (or designated representative) may withdraw the proposal. Telegraphic (facsimile) or mailgram proposal withdrawals will not be considered.

6. **AMENDMENT OF PROPOSAL:** Receipt of a Solicitation Amendment (COP Form 207) shall be acknowledged by signing and returning the document prior to the specified proposal due date and time.

7. **PAYMENT:** The City will make every effort to process payment for the purchase of goods or services within thirty (30) calendar days after receipt of goods or services and a correct notice of amount due, unless a good faith dispute exists as to any obligation to pay all or a portion of the account. Any proposal that requires payment in less than thirty (30) calendar days shall not be considered.

8. **NEW:** All items shall be new, unless otherwise stated in the specifications.

9. **DISCOUNTS:** Payment discount periods will be computed from the date of receipt of material/service or correct invoice, whichever is later, to the date Buyer's payment is mailed. Unless freight and other charges are itemized, any discount provided will be taken on full amount of invoice. Payment discounts of thirty (30) calendar days or more will be deducted from the proposal price in determining the low bid. However, the Buyer shall be entitled to take advantage of any payment discount offered by the Vendor provided payment is made within the discount period.

10. **TAXES:** The City of Peoria is exempt from Federal Excise Tax, including the Federal Transportation Tax. Sales tax, if any, shall be indicated as a separate item.

11. **VENDOR REGISTRATION:** After the award of a contract, the successful Vendor shall have a completed Vendor Registration Form (COP Form 200) on file with the City of Peoria Materials Management Division.

12. AWARD OF CONTRACT:

- a. Unless the Offeror states otherwise, or unless provided within this Request For Proposal, the City reserves the right to award by individual line item, by group of line items, or as a total, whichever is deemed most advantageous to the City.
- b. Notwithstanding any other provision of this Request For Proposal, The City expressly reserves the right to:
 - (1) Waive any immaterial defect or informality; or
 - (2) Reject any or all proposals, or portions thereof; or
 - (3) Reissue a Request For Proposal.
- c. A response to a Request For Proposal is an offer to contract with the City based upon the terms, conditions and specifications contained in the City's Request For Proposal and the written amendments thereto, if any. Proposals do not become contracts unless and until they are accepted by the City Council. A contract is formed when written notice of award(s) is provided to the successful Offeror(s). The contract has its inception in the award document, eliminating a formal signing of a separate contract. For that reason, all of the terms and conditions of the procurement contract are contained in the Request For Proposal, unless modified by a Solicitation Amendment (COP Form 207) or a Contract Amendment (COP Form 217).

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STANDARD TERMS AND CONDITIONS

**Materials Management
Procurement**
8314 West Cinnabar Avenue
Peoria, Arizona 85345-6560
Phone: (623) 773-7115
Fax: (623) 773-7118

THE FOLLOWING TERMS AND CONDITIONS ARE AN EXPLICIT PART OF THE SOLICITATION AND ANY RESULTANT CONTRACT.

1. **CERTIFICATION:** By signature in the Offer section of the Offer and Contract Award page (COP Form 203), the Vendor certifies:
 - a. The submission of the offer did not involve collusion or other anti-competitive practices.
 - b. The Vendor shall not discriminate against any employee or applicant for employment in violation of Federal Executive Order 11456.
 - c. The Vendor has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip favor, or service to a public servant in connection with the submitted offer. Failure to sign the offer, or signing it with a false statement, shall void the submitted offer or any resulting contracts, and the vendor may be debarred.
2. **GRATUITIES:** The City may, by written notice to the Contractor, cancel this contract if it is found by the City that gratuities, in the form of entertainment, gifts or otherwise, were offered or given by the Contractor or any agent or representative of the Contractor, to any officer or employee of the City with a view toward securing an order, securing favorable treatment with respect to the awarding, amending, or the making of any determinations with respect to the performing of such order. In the event this contract is cancelled by the City pursuant to this provision, the City shall be entitled, in addition to any other rights and remedies, to recover or withhold from the Contractor the amount of the gratuity. Paying the expense of normal business meals which are generally made available to all eligible city government customers shall not be prohibited by this paragraph.
3. **APPLICABLE LAW:** In the performance of this agreement, contractors shall abide by and conform to any and all laws of the United States, State of Arizona and City of Peoria including but not limited to federal and state executive orders providing for equal employment and procurement opportunities, the Federal Occupational Safety and Health Act and any other federal or state laws applicable to this agreement.

This contract shall be governed by the City and Contractor shall have all remedies afforded each by the Uniform Commercial Code, as adopted in the State of Arizona, except as otherwise provided in this contract or in statutes pertaining specifically to the City. This contract shall be governed by the laws of the State of Arizona and suit pertaining to this contract may be brought only in courts in the State of Arizona.

This contract is subject to the provisions of ARS §38-511; the City may cancel this contract without penalty or further obligations by the City or any of its departments or agencies if any person significantly involved in initiating, negotiating, securing, drafting or creating the contract on behalf of the City or any of its departments or agencies, is at any time while the contract or any extension of the contract is in effect, an employee of any other party to the contract in any capacity or a consultant to any other party of the contract with respect to the subject matter of the contract.

4. **LEGAL REMEDIES:** All claims and controversies shall be subject to resolution according to the terms of the City of Peoria Procurement Code.
5. **CONTRACT:** The contract between the City and the Contractor shall consist of (1) the Solicitation, including instructions, all terms and conditions, specifications, scopes of work, attachments, and any amendments thereto, and (2) the offer submitted by the Vendor in response to the solicitation. In the event of a conflict in language between the Solicitation and the Offer, the provisions and requirements in the Solicitation shall govern. However, the City reserves the right to clarify, in writing, any contractual terms with the concurrence of the Contractor, and such written contract shall govern in case of conflict with the applicable requirements stated in the Solicitation or the Vendor's offer. The Solicitation shall govern in all other matters not affected by the written contract.

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6. **CONTRACT AMENDMENTS:** This contract may be modified only by a written Contract Amendment (COP Form 217) signed by persons duly authorized to enter into contracts on behalf of the City and the Contractor.
7. **CONTRACT APPLICABILITY:** The Offeror shall substantially conform to the terms, conditions, specifications and other requirements found within the text of this specific Solicitation. All previous agreements, contracts, or other documents, which have been executed between the Offeror and the City are not applicable to this Solicitation or any resultant contract.
8. **PROVISIONS REQUIRED BY LAW:** Each and every provision of law and any clause required by law to be in the contract will be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon the application of either party, the contract will forthwith be physically amended to make such insertion or correction.
9. **SEVERABILITY:** The provisions of this contract are severable to the extent that any provision or application held to be invalid shall not affect any other provision or application of the contract which may remain in effect without the invalid provision or application.
10. **RELATIONSHIP TO PARTIES:** It is clearly understood that each party will act in its individual capacity and not as an agent, employee, partner, joint venturer, or associate of the other. An employee or agent of one party shall not be deemed or construed to be the employee or agent of the other for any purpose whatsoever. The Contractor is advised that taxes or Social Security payments will not be withheld from any City payments issued hereunder and that the Contractor should make arrangements to directly pay such expenses, if any.
11. **INTERPRETATION-PAROL EVIDENCE:** This contract represents the entire agreement of the Parties with respect to its subject matter, and all previous agreements, whether oral or written, entered into prior to this contract are hereby revoked and superseded by this contract. No representations, warranties, inducements or oral agreements have been made by any of the Parties except as expressly set forth herein, or in any other contemporaneous written agreement executed for the purposes of carrying out the provisions of this contract. This contract may not be changed, modified or rescinded except as provided for herein, absent a written agreement signed by both Parties. Any attempt at oral modification of this contract shall be void and of no effect.
12. **ASSIGNMENT-DELEGATION:** No right or interest in this contract shall be assigned by Contractor without prior written permission of the City and no delegation of any duty of Contractor shall be made without prior written permission of the City.
13. **SUBCONTRACTS:** No subcontract shall be entered into by the contractor with any other party to furnish any of the material, service or construction specified herein without the advance written approval of the City. The prime contractor shall itemize all sub-contractors which shall be utilized on the project. Any substitution of sub-contractors by the prime contractor shall be approved by the City and any cost savings will be reduced from the prime contractor's bid amount. All subcontracts shall comply with Federal and State laws and regulations which are applicable to the services covered by the subcontract and shall include all the terms and conditions set forth herein which shall apply with equal force to the subcontract and if the Subcontractor were the Contractor referred to herein. The Contractor is responsible for contract performance whether or not Subcontractors are used.
14. **RIGHTS AND REMEDIES:** No provision in this document or in the vendor's offer shall be construed, expressly or by implication, as a waiver by the City of any existing or future right and/or remedy available by law in the event of any claim of default or breach of contract. The failure of the City to insist upon the strict performance of any term or condition of the contract or to exercise or delay the exercise of any right or remedy provided in the contract, or by law, or the City's acceptance of and payment for materials or services, shall not release the Contractor from any responsibilities or obligations imposed by this contract or by law, and shall not be deemed a waiver of any right of the City to insist upon the strict performance of the Contract.
15. **INDEMNIFICATION:** To the fullest extent permitted by law, the Contractor shall defend, indemnify and hold harmless the City, its agents, representatives, officers, directors, officials and employees from and against all claims, damages, losses and



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expenses (including but not limited to attorney fees, court costs, and the cost of appellate proceedings), relating to, arising out of, or alleged to have resulted from the acts, errors, mistakes, omissions, work or services of the Contractor, its employees, agents, or any tier of subcontractors in the performance of this Contract. Contractor's duty to defend, hold harmless and indemnify the City, its agents, representatives, officers, directors, officials and employees shall arise in connection with any claim, damage, loss or expense that is attributable to bodily injury, sickness, disease, death, or injury to, impairment, or destruction of property including loss of use resulting therefrom, caused by any acts, errors, mistakes, omissions, work or services in the performance of this Contract including any employee of the Contractor or any tier of subcontractor or any other person for whose acts, errors, mistakes, omissions, work or services the Contractor may be legally liable.

The amount and type of insurance coverage requirements set forth herein will in no way be construed as limiting the scope of the indemnity in this paragraph.

16. **OVERCHARGES BY ANTITRUST VIOLATIONS:** The City maintains that, in practice, overcharges resulting from antitrust violations are borne by the purchaser. Therefore, to the extent permitted by law, the Contractor hereby assigns to the City any and all claims for such overcharges as to the goods and services used to fulfill the Contract.
17. **FORCE MAJEURE:** Except for payment for sums due, neither party shall be liable to the other nor deemed in default under this Contract if and to the extent that such party's performance of this Contract is prevented by reason of force majeure. The term "force majeure" means an occurrence that is beyond the control of the party affected and occurs without its fault or negligence. Without limiting the foregoing, force majeure includes acts of God; acts of the public enemy; war; riots; strikes; mobilization; labor disputes; civil disorders; fire; floods; lockouts, injunctions-intervention-acts, or failures or refusals to act by government authority; and other similar occurrences beyond the control of the party declaring force majeure which such party is unable to prevent by exercising reasonable diligence. The force majeure shall be deemed to commence when the party declaring force majeure notifies the other party of the existence of the force majeure and shall be deemed to continue as long as the results or effects of the force majeure prevent the party from resuming performance in accordance with this Contract.

Force majeure shall not include the following occurrences:

- a. Late delivery of equipment or materials caused by congestion at a manufacturer's plant or elsewhere, an oversold condition of the market, inefficiencies, or similar occurrences.
- b. Late performance by a subcontractor unless the delay arises out of a force majeure occurrence in accordance with this Force Majeure term and Condition.

Any delay or failure in performance by either party hereto shall not constitute default hereunder or give rise to any claim for damages or loss of anticipated profits if, and to the extent that such delay or failure is caused by force majeure. If either party is delayed at any time in the progress of the work by force majeure, then the delayed party shall notify the other party in writing of such delay within forty-eight (48) hours commencement thereof and shall specify the causes of such delay in such notice. Such notice shall be hand delivered or mailed *Certified-Return Receipt* and shall make a specific reference to this article, thereby invoking its provisions. The delayed party shall cause such delay to cease as soon as practicable and shall notify the other party in writing. The time of completion shall be extended by contract modification for a period of time equal to the time that the results or effects of such delay prevent the delayed party from performing in accordance with this contract.

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18. **RIGHT TO ASSURANCE:** Whenever one party to this contract in good faith has reason to question the other party's intent to perform he may demand that the other party give a written assurance of this intent to perform. In the event that a demand is made and no written assurance is given within five (5) days, the demanding party may treat this failure as an anticipatory repudiation of the Contract.
19. **RIGHT TO AUDIT RECORDS:** The City may, at reasonable times and places, audit the books and records of any Contractor as related to any contract held with the City.
20. **RIGHT TO INSPECT PLANT:** The City may, at reasonable times, inspect the part of the plant or place of business of a Contractor or Subcontractor which is related to the performance of any contract as awarded or to be awarded.
21. **WARRANTIES:** Contractor warrants that all material, service or construction delivered under this contract shall conform to the specifications of this contract. Unless otherwise stated in Contractor's response, the City is responsible for selecting items, their use, and the results obtained from any other items used with the items furnished under this contract. Mere receipt of shipment of the material/service specified and any inspection incidental thereto by the City shall not alter or affect the obligations of the Contractor or the rights of the City under the foregoing warranties. Additional warranty requirements may be set forth in the solicitation.
22. **INSPECTION:** All material and/or services are subject to final inspection and acceptance by the City. Materials and/or services failing to conform to the specifications of this Contract will be held at Contractor's risk and may be returned to the Contractor. If so returned, all costs are the responsibility of the Contractor. The City may elect to do any or all:
 - a. Waive the non-conformance.
 - b. Stop the work immediately.
 - c. Bring material into compliance.This shall be accomplished by a written determination for the City.
23. **TITLE AND RISK OF LOSS:** The title and risk of loss of material and/or service shall not pass to the City until the City actually receives the material or service at the point of delivery, unless otherwise provided within this Contract.
24. **NO REPLACEMENT OF DEFECTIVE TENDER:** Every tender of materials shall fully comply with all provisions of the Contract. If a tender is made which does not fully conform, this shall constitute a breach of the Contract as a whole.
25. **DEFAULT IN ONE INSTALLMENT TO CONSTITUTE TOTAL BREACH:** Contractor shall deliver conforming materials in each installment of lot of this Contract and may not substitute nonconforming materials. Delivery of nonconforming materials or a default of any nature, at the option of the City, shall constitute a breach of the Contract as a whole.
26. **SHIPMENT UNDER RESERVATION PROHIBITED:** Contractor is not authorized to ship materials under reservation and no tender of a bill of lading will operate as a tender of the materials.
27. **LIENS:** All materials, service or construction shall be free of all liens, and if the City requests, a formal release of all liens shall be delivered to the City.
28. **LICENSES:** Contractor shall maintain in current status all Federal, State and Local licenses and permits required for the operation of the business conducted by the Contractor as applicable to this Contract.

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29. **PATENTS AND COPYRIGHTS:** All services, information, computer program elements, reports and other deliverables, which may be patented or copyrighted and created under this contract are the property of the City and shall not be used or released by the Contractor or any other person except with the prior written permission of the City.
30. **PREPARATION OF SPECIFICATIONS BY PERSONS OTHER THAN CITY PERSONNEL:** All specifications shall seek to promote overall economy for the purposes intended and encourage competition and not be unduly restrictive in satisfying the City's needs. No person preparing specifications shall receive any direct or indirect benefit from the utilization of specifications, other than fees paid for the preparation of specifications.
31. **COST OF BID/PROPOSAL PREPARATION:** The City shall not reimburse the cost of developing presenting or providing any response to this solicitation. Offers submitted for consideration should be prepared simply and economically, providing adequate information in a straightforward and concise manner.
32. **PUBLIC RECORD:** All offers submitted in response to this solicitation shall become the property of the City and shall become a matter of public record available for review, subsequent to the award notification, in accordance with the City's Procurement Code.
33. **ADVERTISING:** Contractor shall not advertise or publish information concerning this Contract, without prior written consent of the City.
34. **DELIVERY ORDERS:** The City shall issue a Purchase Order for the material and/or services covered by this contract. All such documents shall reference the contract number as indicated on the Offer and Contract Award (COF Form 203).
35. **FUNDING:** Any contract entered into by the City of Peoria is subject to funding availability. Fiscal years for the City of Peoria are July 1 to June 30. The City Council approves all budget requests. If a specific funding request is not approved, the contract shall be terminated.
36. **PAYMENT:** A separate invoice shall be issued for each shipment of material or service performed, and no payment will be issued prior to receipt of material and/or services and correct invoice.

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1. **Purpose:** Pursuant to provisions of the City Procurement Code, the City of Peoria, Materials Management Division intends to establish a contract for Public Safety GIS System.
2. **Authority:** This Solicitation as well as any resultant contract is issued under the authority of the City. No alteration of any resultant contract may be made without the express written approval of the City Materials Manager in the form of an official contract amendment. Any attempt to alter any contract without such approval is a violation of the contract and the City Procurement Code. Any such action is subject to the legal and contractual remedies available to the City inclusive of, but not limited to, contract cancellation, suspension and/or debarment of the contractor.
3. **Offer Acceptance Period:** In order to allow for an adequate evaluation, the City requires an offer in response to this Solicitation to be valid and irrevocable for sixty (60) days after the opening time and date.
4. **Eligible Agencies:** Any contract resulting from this Solicitation shall be for the exclusive use of the City of Peoria.
5. **Contract Type:** Fixed Price
6. **Term of Contract:** The term of any resultant contract shall commence on the first day of the month following the date of award and shall continue for a period of one (1) year thereafter, unless terminated, cancelled or extended as otherwise provided herein.
7. **Contract Extension:** By mutual written contract amendment, any resultant contract may be extended for supplemental periods of up to a maximum of thirty-six (36) months.
8. **Multiple Awards:** In order to assure that any ensuing contracts will allow the City to fulfill current and future requirements, the City reserves the right to award contracts to multiple companies. The actual utilization of any contract will be at the sole discretion of the City. The fact that the City may make multiple awards should be taken into consideration by each potential contractor.
9. **Affirmative Action Report:** It is the policy of the City of Peoria that suppliers of goods or services to the City adhere to a policy of equal employment opportunity and demonstrate an affirmative effort to recruit, hire, and promote regardless of race, color, religion, gender, national origin, age or disability.
10. **Proposal Format:** Proposals shall be submitted in one (1) original and five (5) copies on the forms and in the format as contained in the Request for Proposal. Proposals shall be on 8 1/2" & 11" paper with the text on one side only. All submittal information must contain data for only the local office(s) which will be performing the work. The proposals should be submitted in the maximum length requirements as specified:
 - a. **Technical Proposal**
 - i. Firm's Capabilities - maximum four (4) pages.
 - ii. Staff Assignments and Experience - maximum eight (8) pages.
 - iii. Firm's Experience/Projects - maximum five (5) pages.
 - iv. Project Approach - maximum four (4) pages
 - v. Location of Work - maximum 1/2 page.

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- vi. Additional Data Support - detailed resumes, etc. Information and support data shall only be for the local office(s) performing the services. (Data should *not* be mostly a continuation of data called for in items above).
- b. Proposal Content - the following items shall be addressed in the technical proposal submission.
 - i. Understanding of the Scope of Work.
 - ii. Plan and Method of approach to accomplish the Scope of Work.
 - iii. Work plan and task schedule to accomplish the required Scope of Work include a description of project detailing the full scope of services to be provided with particular emphasis on overall organization of the city's concerns and needs. The project methodology should be described in sufficient detail to permit objective evaluation of the proposal.
 - iv. Overall firm and staff projected workload.
 - v. Fee Schedule broken down by task, hours, profession, hourly rate, and total project cost including any reimbursable expenses. Also include a fee schedule broken down by an hourly rate for any additional services that you may provide that are not explicitly documented. Include hourly rate for developing product interfaces, warranty, and ongoing support fees.
 - vi. Anticipated City involvement for successful completion of the required Scope of Work.
 - vii. References from Similar Projects completed within the last five (5) years.
11. **Interview Guidelines:** During any requested interview, which would be scheduled in the future, be prepared to discuss your firm's proposal, staff assignments, project approach and other pertinent information. The presentation shall be approximately 30 minutes, allowing 15 minutes for a question and answer session. The Consultant's Project/Team Manager shall lead the presentation team and answer questions on behalf of the Consultant. If work involves a major sub-consultant, the firm's Project/Team Manager's presence may also be requested (by the City) at the interview.
12. **Evaluation:** In accordance with the City of Peoria Procurement Code, awards shall be made to the responsible offeror whose proposal is determined in writing to be the most advantageous to the City, based upon the evaluation criteria listed below. The evaluation factors are listed in their relative order of importance.
 - a. Project Understanding and Project Approach.
 - b. Technical/Functional Fit.
 - c. Experience/Projects.
 - d. Staff's Capabilities and Assignments.
 - e. Estimated Fees.
 - f. Conformance to Request for Technical Proposals.
13. **Discussions:** In accordance with the City of Peoria Procurement Code, after the initial receipt of proposals, discussions may be conducted with offerors who submit proposals determined to be reasonably susceptible of being selected for award.
14. **Proposal Opening:** Proposals shall be submitted at the time and place designated in the request for proposals. All information contained in the proposals shall be deemed as exempt from public disclosure based on the City's need to avoid disclosure of contents prejudicial to competing offerors during the process of negotiation. The proposals shall not be open for public

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inspection until after contract award. PRICES SHALL NOT BE READ. After contract award, the successful proposal and the evaluation documentation shall be open for public inspection.

- 15. **Performance Warranty:** Contractor warrants that the services rendered in performance will conform to the requirements and to the highest professional standards in the engineering field.
- 16. **Permits and Approvals:** Contractor agrees and undertakes to obtain necessary permits and approvals from all local, state and federal authorities for the project.
- 17. **Scope of Work Deliverable:** The successful contractor shall prepare and provide a detailed Scope of Work for the project. The finalized Scope of Work shall include the agreed upon approach, method, format, and timing to complete the project.
- 18. **Compensation:** Compensation for services shall be based upon fees negotiated, including all approved costs and expenses incurred in connection with the project, including but not limited to, telephone and other communications, reproduction of documents, special consultants (as approved by the City) and computer costs.
- 19. **Acceptance:** Determination of the acceptability of work shall be completed in a responsive and professional manner and in accordance with the specifications, schedules, or plans which are incorporated in the Scope of Work.
- 20. **Payments:** The City shall pay the Contractor monthly, based upon work performed and completion to date, and upon submission of invoices. All invoices shall document and itemize all work completed to date. The invoice statement shall include a record of time expended and work performed in sufficient detail to justify payment.
- 21. **Shipping Terms:** Prices shall be F.O.B. Destination to the delivery location designated herein. Contractor shall retain title and control of all goods until they are delivered and the contract of coverage has been completed. All risk of transportation and all related charges shall be the responsibility of the contractor. All claims for visible or concealed damage shall be filed by the contractor. The City will notify the contractor promptly of any damaged goods and shall assist the contractor in arranging for inspection.
- 22. **Insurance Requirements:** The Contractor, at Contractor's own expense, shall purchase and maintain the herein stipulated minimum insurance with companies duly licensed, possessing a current A.M. Best, Inc. Rating of A-, or approved unlicensed in the State of Arizona with policies and forms satisfactory to the City.

All insurance required herein shall be maintained in full force and effect until all work or service required to be performed under the terms of the Contract is satisfactorily completed and formally accepted; failure to do so may, at the sole discretion of the City, constitute a material breach of this Contract.

The Contractor's insurance shall be primary insurance as respects the City, and any insurance or self-insurance maintained by the City shall not contribute to it.

Any failure to comply with the claim reporting provisions of the insurance policies or any breach of an insurance policy warranty shall not affect coverage afforded under the insurance policies to protect the City.

The insurance policies, except Workers' Compensation, shall contain a waiver of transfer rights of recovery (subrogation) against the City, its agents, representatives, directors, officers, and employees for any claims arising out of the Contractor's acts, errors, mistakes, omissions, work or service.

The insurance policies may provide coverage which contain deductibles or self-insured retentions. Such deductible and/or self-insured retentions shall not be applicable with respect to the coverage provided to the City under such policies. The



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Contractor shall be solely responsible for the deductible and/or self-insured retention and the City, at its option, may require the Contractor to secure payment of such deductibles or self-insured retentions by a Surety Bond or an irrevocable and unconditional letter of credit.

The City reserves the right to request and to receive, within 10 working days, certified copies of any or all of the herein required insurance policies and/or endorsements. The City shall not be obligated, however, to review same or to advise Contractor of any deficiencies in such policies and endorsements, and such receipt shall not relieve Contractor from, or be deemed a waiver of the City's right to insist on, strict fulfillment of Contractor's obligations under this Contract.

The insurance policies, except Workers' Compensation and Professional Liability, required by this Contract, shall name the City, its agents, representatives, officers, directors, officials and employees as Additional Insureds.

23. Required Insurance Coverage:

a. Commercial General Liability

Contractor shall maintain Commercial General Liability insurance with a limit of not less than \$1,000,000 for each occurrence with a \$2,000,000 Products/Completed Operations Aggregate and a \$2,000,000 General Aggregate Limit. The policy shall include coverage for bodily injury, broad form property damage, personal injury, products and completed operations and blanket contractual coverage including, but not limited to, the liability assumed under the indemnification provisions of this Contract which coverage will be at least as broad as Insurance Service Office, Inc. Policy Form CG 00011093 or any replacements thereof. The coverage shall not exclude X, C, U.

Such policy shall contain a severability of interest provision, and shall not contain a sunset provision or commutation clause, nor any provision which would serve to limit third party action over claims.

The Commercial General Liability additional insured endorsement shall be at least as broad as the Insurance Service Office, Inc.'s Additional Insured, Form B, CG 20101185, and shall include coverage for Contractor's operations and products and completed operations.

Any Contractor subletting any part of the work, services or operations awarded to the Contractor shall purchase and maintain, at all times during prosecution of the work, services or operations under this Contract, an Owner's and Contractor's Protective Liability insurance policy for bodily injury and property damage, including death, which may arise in the prosecution of the Contractor's work, service or operations under this Contract. Coverage shall be on an occurrence basis with a limit not less than \$1,000,000 per occurrence, and the policy shall be issued by the same insurance company that issues the Contractor's Commercial General Liability insurance.

b. Automobile Liability

Contractor shall maintain Commercial/Business Automobile Liability insurance with a combined single limit for bodily injury and property damage of not less than \$1,000,000 each occurrence with respect to the Contractor's any owned, hired, and non-owned vehicles assigned to or used in performance of the Contractor's work. Coverage will be at least as broad as coverage code 1, "any auto", (Insurance Service Office, Inc. Policy Form CA 00011293, or any replacements thereof). Such insurance shall include coverage for loading and off loading hazards. If hazardous substances, materials or wastes are to be transported, MCS 90 endorsement shall be included and \$5,000,000 per accident limits for bodily injury and property damage shall apply.

c. Workers' Compensation

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The Contractor shall carry Workers' Compensation insurance to cover obligations imposed by federal and state statutes having jurisdiction of Contractor's employees engaged in the performance of the work or services; and, Employer's Liability insurance of not less than \$100,000 for each accident, \$100,000 disease for each employee, and \$500,000 disease policy limit.

In case any work is subcontracted, the Contractor will require the Subcontractor to provide Workers' Compensation and Employer's Liability to at least the same extent as required of the Contractor.

d. **Professional Liability**

The Contractor retained by the City to provide the work or service required by this Contract will maintain Professional Liability insurance covering acts, errors, mistakes and omissions arising out of the work or services performed by the Contractor, or any person employed by the Contractor, with a limit of not less than \$1,000,000 each claim.

24. **Certificates of Insurance:** Prior to commencing work or services under this Contract, Contractor shall furnish the City with Certificates of Insurance, or formal endorsements as required by the Contract, issued by Contractor's insurer(s), as evidence that policies providing the required coverages, conditions and limits required by this Contract are in full force and effect.

In the event any insurance policy(ies) required by this contract is(are) written on a "Claims made" basis, coverage shall extend for two years past completion and acceptance of the Contractor's work or services and as evidenced by annual Certificates of Insurance.

If a policy does expire during the life of the Contract, a renewal certificate must be sent to the City fifteen (15) days prior to the expiration date.

All Certificates of Insurance shall be identified with bid serial number and title. A \$25.00 administrative fee will be assessed for all certificates received without the appropriate bid serial number and title.

25. **Cancellation and Expiration Notice:** Insurance required herein shall not expire, be canceled, or materially changed without thirty (30) days prior written notice to the City.

26. **Independent Contractor:**

a. **General**

- i. The Contractor acknowledges that all services provided under this Agreement are being provided by him as an independent contractor, not as an employee or agent of the City Manager or the City of Peoria.
- ii. Both parties agree that this Agreement is nonexclusive and that Contractor is not prohibited from entering into other contracts nor prohibited from practicing his profession elsewhere.

b. **Liability**

- i. The City of Peoria shall not be liable for any acts of Contractor outside the scope of authority granted under this Agreement or as the result of Contractor's acts, errors, misconduct, negligence, omissions and intentional acts.
- ii. To the fullest extent permitted by law, the Contractor shall defend, indemnify and hold harmless the City, its agents, representatives, officers, directors, officials and employees from and against all claims, damages, losses and expenses (including but not limited to attorney fees, court costs, and the cost of appellate proceedings), relating to, arising out of, or alleged to have resulted from the acts, errors, mistakes, omissions, work or services of the Contractor, its employees,



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agents, or any tier of subcontractors in the performance of this Contract. Contractor's duty to defend, hold harmless and indemnify the City, its agents, representatives, officers, directors, officials and employees shall arise in connection with any claim, damage, loss or expense that is attributable to bodily injury, sickness, disease, death, or injury to, impairment, or destruction of property including loss of use resulting therefrom, caused by any acts, errors, mistakes, omissions, work or services in the performance of this Contract including any employee of the Contractor or any tier of subcontractor or any other person for whose acts, errors, mistakes, omissions, work or services the Contractor may be legally liable.

The amount and type of insurance coverage requirements set forth herein will in no way be construed as limiting the scope of the indemnity in this paragraph.

c. **Other Benefits**

The Contractor is an independent contractor, therefore, the City Manager will not provide the Contractor with health insurance, life insurance, workmen's compensation, sick leave, vacation leave, or any other fringe benefits. Further, Contractor acknowledges that he is exempt from coverage of the Comprehensive Benefit and Retirement Act (COBRA). Any such fringe benefits shall be the sole responsibility of Contractor.

27. **Key Personnel:** It is essential that the Contractor provide adequate experienced personnel, capable of and devoted to the successful accomplishment of work to be performed under this contract. The Contractor must agree to assign specific individuals to the key positions.

- a. The Contractor agrees that, once assigned to work under this contract, key personnel shall not be removed or replaced without written notice to the City.
- b. If key personnel are not available for work under this contract for a continuous period exceeding 30 calendar days, or are expected to devote substantially less effort to the work than initially anticipated, the Contractor shall immediately notify the City, and shall, subject to the concurrence of the City, replace such personnel with personnel of substantially equal ability and qualifications.

28. **Confidential Information:**

- a. If a person believes that a bid, proposal, offer, specification, or protest contains information that should be withheld, a statement advising the Materials Supervisor of this fact shall accompany the submission and the information shall be identified.
- b. The information identified by the person as confidential shall not be disclosed until the Materials Supervisor makes a written determination.
- c. The Materials Supervisor shall review the statement and information and shall determine in writing whether the information shall be withheld.
- d. If the Materials Supervisor determines to disclose the information, the Materials Supervisor shall inform the bidder in writing of such determination.

29. **Confidentiality of Records:** The contractor shall establish and maintain procedures and controls that are acceptable to the City for the purpose of assuring that information contained in its records or obtained from the City or from others in carrying out its functions under the contract shall not be used or disclosed by it, its agents, officers, or employees, except as required to efficiently perform duties under the contract. Persons requesting such information should be referred to the City. Contractor also agrees that



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any information pertaining to individual persons shall not be divulged other than to employees or officers of contractor as needed for the performance of duties under the contract.

30. **Ordering Process:** Upon award of a contract by the City of Peoria, Materials Management Division may procure the specific material and/or service awarded by the issuance of a purchase order to the appropriate contractor. The award of a contract shall be in accordance with the City of Peoria Procurement Code and all transactions and procedures required by the Code for public bidding have been complied with. A purchase order for the awarded material and/or service that cites the correct contract number is the only document required for the department to order and the contractor to deliver the material and/or service.

Any attempt to represent any material and/or service not specifically awarded as being under contract with the City of Peoria is a violation of the contract and the City of Peoria Procurement Code. Any such action is subject to the legal and contractual remedies available to the City inclusive of, but not limited to, contract cancellation, suspension and/or debarment of the contractor.

31. **Billing:** All billing notices to the City shall identify the specific item(s) being billed and the purchase order number. Items are to be identified by the name, model number, and/or serial number most applicable. Any purchase/delivery order issued by the requesting agency shall refer to the contract number resulting from this solicitation.

32. **Licenses:** Contractor shall maintain in current status all Federal, State and Local licenses and permits required for the operation of the business conducted by the Contractor.

33. **Cancellation:** The City reserves the right to cancel the whole or any part of this contract due to failure by the contractor to carry out any obligation, term or condition of the contract. The City will issue written notice to the contractor for acting or failing to act as in any of the following:

- a. The contractor provides material that does not meet the specifications of the contract;
- b. The contractor fails to adequately perform the services set forth in the specifications of the contract;
- c. The contractor fails to complete the work required or to furnish the materials required within the time stipulated in the contract;
- d. The contractor fails to make progress in the performance of the contract and/or gives the City reason to believe that the contractor will not or cannot perform to the requirements of the contract.

Upon receipt of the written notice of concern, the contractor shall have ten (10) days to provide a satisfactory response to the City. Failure on the part of the contractor to adequately address all issues of concern may result in the City resorting to any single or combination of the following remedies:

- a. Cancel any contract;
- b. Reserve all rights or claims to damage for breach of any covenants of the contract;
- c. Perform any test or analysis on materials for compliance with the specifications of the contract. If the results of any test or analysis find a material non-compliant with the specifications, the actual expense of testing shall be borne by the contractor;
- d. In case of default, the City reserves the right to purchase materials, or to complete the required work in accordance with the City Procurement Code. The City may recover any actual excess costs from the contractor by:

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- i. Deduction from an unpaid balance;
- ii. Any combination of the above or any other remedies as provided by law.

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1. Purpose:

The City of Peoria is seeking **Request for Proposal and Qualifications** from candidates capable of providing the requested services to fully develop the project described herein.

The purpose of this RFP is to gather information for the installation, operation, and maintenance of a Public Safety Geographic Information System (GIS). The intent of the system is to analyze **both Fire and Police information** through a spatial context using GIS. The goal of this project is to provide a single vendor solution that addresses the needs of both Police and Fire departments with respect to spatial analysis. However, if a single solution cannot meet the needs of both Police and Fire, solutions specific to each may be considered; as a result, contract award may be made to multiple companies.

This procurement is governed by the following primary directives:

- System(s) must be compatible with existing Computer Aided Dispatch inventories for both Police and Fire.
- System(s) must utilize existing enterprise data for use in any spatial analysis.
- System(s) should leverage existing GIS desktop functionality in addition to enhanced functionality delivered via the new application
- System(s) should speak separately to the needs of both Police and Fire.
- System(s) should be compatible with existing Enterprise GIS (see Section 3).
- The vendor or qualified third (3rd) party will support the system(s).
- The vendor or qualified third (3rd) party will train Peoria personnel in system(s) use.

2. Background

Peoria, Arizona, located in the Northwest Phoenix metropolitan area, is one of the fastest growing municipalities in the United States. In a few short years, Peoria has transformed from a small farming community into a business and medical hub for the Northwest Valley area. The City of Peoria extends over 175 square miles making it the fourth largest incorporated area in Arizona. Peoria's population rapidly grew from 12,000 in 1980 to a current population of approximately 138,000. It was the fifth fastest growing city (over 100,000) in the United States during the past decade.

3. Technology Environment

The City has a comprehensive Strategic Technology Plan that guides its actions. Defined within the Strategic Technology Plan are the City's hardware and software standards:

- Server platform - Windows Server 2003
- Database software - Microsoft SQL Server
- Server hardware - HP ProLiant
- Desktop platform - Windows XP
- Reporting - Crystal Reports are commonly used as the reporting engine

3.1 GIS Environment

The City of Peoria Geographic Information System (GIS) is managed through the Information Technology (IT) Department, and runs a distributed management model for data maintenance. The GIS Group within IT, manage the enterprise for all GIS users, serving up Intranet Map Services (using ArcIMS) for over 300 clients. Any vendor application will be required to utilize framework data residing on the Enterprise system - retaining specific thematics related to public safety on the secure network.

The standard Peoria defined desktop PC is configured to be compatible:

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Desktop:1 ESRI ArcGIS 9.0 – ArcINFO (4) – ArcView (10)

Available Extensions:

Spatial Analyst (f)
3D Analyst (1)
ArcPress (1)

lcoMap 2.0 (Coordinate Geometry extension)

Server: ESRI ArcSDE 8.x (migrating to 9.x) on MS SQL Server

Internet: ArcIMS (4.0.1 – migrating to 9.0) *Intranet only* (inside firewall)

Existing Map Services:

Map Viewer (Generic Mapping Application)
Crime Viewer (Crime Analysis Application – specific crime)
Sales Tax Viewer (Link to sales tax database)

Projection and Datum for all Enterprise data:

Arizona State Plane – Central Zone (Fipszone 0202) – North American Datum of 1983 (NAD83) - Units:
International Feet (per state statute).

3.2 Police Environment

The GIS element of this position utilizes the ATAC software for input of Incident Reports for geocoding to the GIS system. The analyst is currently migrating from the ESRI ArcView 3.x environment to the 9.0 environment, the ESRI Spatial Analyst extension is also utilized for particular mapping assignments.

Computer Aided Dispatch/Incident Report Packages:

HTE CAD 4 running on an IBM AS400

Crime Analysis Package:

ATAC – Automated Tactical Analysis of Crime

3.3 Fire Environment

The City of Peoria receives run information through an RMS Database (delivered in Access) from the regional dispatch center located at Phoenix Fire (City of Phoenix Fire is the regional dispatch for over 20 jurisdictions in the region). This data has a variety of tables representing Fire and EMS calls and would need to interface with the vendor application. Currently, Fire has no dedicated internal GIS expertise.

4. Geographic Information System (GIS) Data Environment

The city has been developing GIS information for the past three years, working to bring an enterprise product for all users on the network. A distributed managed data model has been developed to define roles and responsibilities for data managers and maintainers. Coordination of this effort is tasked within Information Technology (IT). The GIS Group within IT work closely with data managers to provide adequate infrastructure and tools to aid in data management as well as delivery. The GIS Group also works closely with other jurisdictions, in particular the Maricopa County Assessors Office (cadastral information), who provide various other data thematics for use in the enterprise

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system. All enterprise data are stored in an ArcSDE database (currently version 8.3, moving to 9.0 in near future) residing in MS SQL Server. These data are then made available to both desktop users (using ArcGIS 9.0) or via various Intranet Applications.

City of Peoria Enterprise GIS Data Themes:

Department	Theme Name	Description	Type
Engineering	Centerline	Regional Road Centerline Information - Contains Address ranges for Geocoding - Hansen CMMIS Linkage available	Polyline
	Cadastral / Parcels	Peoria Parcels - Built through import of DGN files from County Assessors Office.	Polygon
	Address Points (residential Plots)	Site Address Information - Allows for many Points to Parcel relationship for commercial properties, available for geocoding.	Point
	Geodetics	Control Monumentation layer - includes Horizontal and vertical components	Point
	Subdivisions	Subdivision Boundary Inventory	Polygon
	RePayment zones	Special assessment Districts Subdivision Boundaries	Polygon
Community Development	Zoning	Peoria Zoning Boundary Layer	Polygon
	General Plan	Peoria General Plan information: Includes Landuse, transportation, and circulation components	Point Polyline Polygon
	Annexation History	Corporate Limit Updates, and annexation history inventory (Two Themes)	Polygon
	Case History Inventory	Polygonal inventory of Planning and Zoning case studies - link to file jacket.	Polygon
	Special Addressing	Custom Homes and Commercial Addressing - these data reside in same layer as engineering addressing mentioned above - available for geocoding	Point
	Utilities	Water System	Above and below ground assets to includes pressure zones and customer service reaches
Wastewater System		Above and below ground assets	Point Polyline Polygon
IT GIS Group	Aerials	Aerials purchased through cooperative effort with Maricopa County Flood Control District - currently hold 4 years (2001 - 2004) for use in both desktop GIS and Intranet applications	Imagery
City Clerk (IT GIS Group)	Council Districts	Council District Boundaries	Polygon
	Voting Precincts	Voting Precinct Boundaries	Polygon
	Polling Locations	Poll Locations (Dynamic)	Point
Community Services (IT GIS Group)	Parks	Park Locations	Point Polygon
	Trails	Trail locations (existing and planned) part of masterplan - not on Enterprise	Polyline
	Schools	Area School Inventory	Point
	Recreational Facilities	Pools, fields, etc	Point
Police	Beats	Peoria police beats - for intranet Crime Map Viewer	Polygon
	Crime	Selected Crime from Crime Analyst - run through ATAC and geocoded with ESRI products (against centerline theme)	Point

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6. Desired System Compatibility

The ideal solution will provide both Fire and Police with the ability to utilize existing enterprise data for analysis and computations. The ideal solution will also utilize and possibly enhance existing desktop GIS Functionality to enable users to leverage other available GIS tools.

Describe how your solution provides the ability to support existing GIS Data and Desktop functionality (please speak to Police and Fire separately where indicated):

Requirement Data: Solution must have ability to utilize data from these data source types	Does solution meet requirement for Fire? (Y/N)	Please Explain	Does solution meet requirement for Police? (Y/N)	Please Explain
ESRI Geodatabase stored in ArcSDE				
ESRI Personal GeoDatabase				
Shapefiles				
Coverages				
MS SQL Tables				
dBase Tables				
MS Access Tables				
ASCII Tables				
GIS Desktop Environment – Solution must be compatible with existing GIS Desktop Environment – working with or enhance existing application functionality for GIS Analysis – Current Desktop				

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Environment - ArcGIS
9.0

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6. Desired System Compatibility

The ideal solution will provide both Fire and Police with the ability to utilize existing enterprise data for analysis and computations. The ideal solution will also utilize and possibly enhance existing desktop GIS Functionality to enable users to leverage other available GIS tools

Describe how your solution provides the ability to support existing GIS Data and Desktop functionality (please speak to Police and Fire separately where indicated):

Requirement Data: Solution must have ability to utilize data from these data source types	Does solution meet requirement for Fire? (Y/N)	Please Explain	Does solution meet requirement for Police? (Y/N)	Please Explain
ESRI Geodatabase stored in ArcSDE	Yes	All ESRI file formats are acceptable	Yes	All ESRI file formats are acceptable
ESRI Personal GeoDatabase	Yes	All ESRI file formats are acceptable	Yes	All ESRI file formats are acceptable
Shapefiles	Yes	All ESRI file formats are acceptable	Yes	All ESRI file formats are acceptable
Coverages	Yes	All ESRI file formats are acceptable	Yes	All ESRI file formats are acceptable
MS SQL Tables	Yes	This is an acceptable data file format	Yes	This is an acceptable data file format
dBase Tables	Yes	This is an acceptable data file format	Yes	This is an acceptable data file format
MS Access Tables	Yes	This is an acceptable data file format	Yes	This is an acceptable data file format
ASCII Tables	Yes	This is an acceptable data file format	Yes	This is an acceptable data file format
GIS Desktop Environment - Solution must be compatible with existing GIS Desktop Environment - working with or enhance existing application functionality	Yes	FireView is an extension to ArcGIS 9.0 (currently).	Yes	CrimeView is an extension to ArcGIS 9.0 (currently).



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for GIS Analysis - Current Desktop Environment - ArcGIS 9.0				
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6. Desired System Functionality

The City of Peoria requires system functionality to assist Public Safety Analysts perform a variety of tasks. Each entity, Police and Fire have specific requirements relating to their business needs. These requirements are broken into the following categories:

- Data Development
- Required Queries
- Spatial / Temporal Analysis
- Routing
- Mapping
- Reporting

Describe what your solution provides for the following requirements (Police and Fire will be separated):

6.1 Peoria Police Department Functionality

6.1.1 Describe Functionality as it pertains to Data Import Routines:

Requirement: Data Import	Does Software Meet Requirement? (Y/N)	Please Explain
Import Incident Information for spatial rendering	Yes	Using our Omega Import Wizard product (a standard component). As part of our standard services the Omega project manager builds the import profiles (with assistance from your department) necessary to import the
Import CAD (Computer Aided Dispatch) Information (calls for service) for spatial rendering	Yes	Using our Omega Import Wizard product (a standard component). As part of our standard services the Omega project manager builds the import profiles (with assistance from your department) necessary to
Import Person Information for spatial rendering	Yes	Using our Omega Import Wizard product (a standard component). As part of our standard services the Omega project manager builds the import profiles (with assistance from your department) necessary to
Import Accident Information	Yes	Using our Omega Import Wizard product (a standard component). As part of our standard services the Omega project manager builds the import profiles (with assistance from your department) necessary to
Import Stolen Vehicle Location – Theft Location	Yes	Using our Omega Import Wizard product (a standard component). As part of our standard services the Omega project manager builds the import profiles (with assistance from your department) necessary to

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Import Stolen Vehicle Location – Recovery Location	Yes	Using our Omega Import Wizard product (a standard component). As part of our standard services the Omega project manager builds the import profiles (with assistance from your department) necessary to
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6.1.2 Describe Functionality as it pertains performing incident queries:

Requirement: Perform Incident Queries	Does Software Meet Requirement? (Y/N)	Please Explain
Within a boundary – using any existing or user-defined polygons	Yes	Standard CrimeView Functionality/ Feature
Near an address – using buffer or radius set by the user	Yes	Standard CrimeView Functionality/ Feature
Near a feature – any user defined or existing feature (point, polyline, or polygon)	Yes	Standard CrimeView Functionality/ Feature
Near a Person – assume spatial representation of 'person' is available	Yes	Standard CrimeView Functionality/ Feature
Near another incident	ESRI Only	Using Standard ArcView Query Builder
Stolen Vehicle – Incident site and recovery site – ability to link these items via Incident number or Vehicle Identification (VIN, Plate Number, etc)	Yes -Future Service Packs	This feature is standard functionality in older versions (CrimeView for ArcView 3.x) of CrimeView. Latest Release (CrimeView Service Pack 3 for ArcView 9.0) Does not include function. Functionality anticipated In Service Pack 5 in 2006
Ability to perform Ad-hoc queries – user defined	Yes	We employ a tree structure of Saved Queries we create with your staff, specific to each of your data sets. In addition, you can create queries on-the-fly using the ArcGIS Query Builder.
Ability to utilize 'saved' queries, specific to organization need user defined	Yes	Beyond the Saved Queries noted above, queries developed in the ArcGIS Query Builder can be created by the client and added to the Saved Query list for later

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6.1.3 Describe Functionality as it pertains to performing person queries

Requirement: Perform Person Queries	Does Software Meet Requirement? (Y/N)	Please Explain
Within a boundary – using any existing or user-defined polygons	Yes	Standard CrimeView Functionality/ Feature
Near an Address	Yes	Standard CrimeView Functionality/ Feature
Near a Feature	Yes	Standard CrimeView Functionality/ Feature
Near another Person	ESRI - ArcView	Using Standard ESRI Query Wizard
Near Incidents	Yes	Standard CrimeView Functionality/ Feature

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6.1.4 Describe functionality as it pertains to spatial / temporal analysis:

Requirement: Perform Spatial / Temporal Analysis	Does Software Meet Requirement? (Y/N)	Please Explain
Standardized density mapping by layer for any incident theme	Yes	Standard CrimeView Functionality/ Feature
'Hot Spot' density mapping for any incident theme	Yes	Standard CrimeView Functionality/ Feature (required Spatial Analyst Extension)
Repeat Call analysis against any incident theme - analysis can be driven by type of crime, location, time of day, victim, suspect or combination of these criteria	Yes	Standard CrimeView Functionality/ Feature
Incident to person linking and analysis	Future Service Packs	Latest Release (CrimeView Service Pack 3 for ArcView 9.0) Does not include function. Functionality anticipated in Service Pack 5 in 2006
Exception Reporting - track crime level between time periods or establish goals/criteria	Yes	Standard CrimeView Functionality/ Feature
Time series animation - cycle set by user (daily, weekly, monthly) - incidents types also user defined Output can be either Standard Density Map or 'Hot Spot' product	Future Service Packs	This feature is standard functionality in older versions (CrimeView for ArcView 3.x) of CrimeView. Latest Release (CrimeView Service Pack 3 for ArcView 9.0) Does not include function. Functionality anticipated in Service Pack 5 in 2006
Threshold Analysis - use historical data to compare expected ranges in a region to actual activity	Yes	This feature is standard functionality in older versions (CrimeView for ArcView 3.x) of CrimeView. Latest Release (CrimeView Service Pack 3 for ArcView 9.0) Does not include function. Functionality anticipated in Service Pack 5 in 2006

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Crime Trend Analysis – qualifiers to be set by user	Yes	Standard CrimeView Functionality/ Feature (Spatial Trend Analysis)
Sex Offender Notification – Buffering tool to assist PD in this effort Utilize PEOPLE file to provide locational information – citizen information will be provided via Peoria GIS through assessor records and addressing database	Need further clarification	

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6.1.5 Describe functionality as it pertains to routing:

Requirement: Routing (assume Peoria can provide location information regarding vehicles)	Does Software Meet Requirement? (Y/N)	Please Explain
Response routing for PD	No	
Response time analysis for routing – to assist in beat delineations	Yes - FireView	Standard FireView Functionality/ Feature

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6.1.6 Describe functionality as it pertains to mapping:

Requirement: Mapping	Does Software Meet Requirement? (Y/N)	Please Explain
Map Template development for repetitive map generation – standard products	Yes	ESRI Map Template Tools
Sex Offender notification products – maps and mailing list generation	Need further clarification	
Flexibility for ad hoc map products related to any of the analysis output identified above. Solution must provide GIS analyst the flexibility to produce product outside of template or auto-generated map product.	Yes	CrimeView is an extension to ArcView, all ArcView functionality is available to end

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6.1.7 Describe functionality as it pertains to reporting:

Requirement: Reporting	Does Software Meet Requirement? (Y/N)	Please Explain
Peoria's primary reporting tool is Crystal Reports – does solution utilize this product?	Yes	A set of standard report templates built in Crystal Reports are customized to your data and needs (with limitations).
Standard Reports – Please identify which / how many standardized reports are part of the solution.	Yes	The list includes: Detailed and summary reports for each imported layer, a repeats calls report, and an exception report (COMPSTAT style). Approximately 13 reports will be built by Omega
Specialized Reporting – please identify opportunity and cost for Peoria PD to develop specialized reports	Yes	The Peoria PD may develop their own reports at any time. Alternatively, Omega can build additional reports at it's current hourly rate.
Ability for user defined reports – ad hoc reporting capability	Yes	Your staff can edit existing reports as well as create new ones and integrate them into CrimeView.

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6.2 Peoria Fire Department Functionality

6.2.1 Describe Functionality as it pertains to Data Import Routines:

Requirement: Data Import	Does Software Meet Requirement? (Y/N)	Please Explain
Import Incident Information for spatial rendering – separating EMS and Fire incidents	Yes	Using our Omega Import Wizard product (a standard component). As part of our standard services the Omega project manager builds the import profiles (with assistance from your department) necessary to
Import CAD (Computer Aided Dispatch) Information (calls for service) for spatial rendering – ability to separate EMS and Fire Calls	Yes	Using our Omega Import Wizard product (a standard component). As part of our standard services the Omega project manager builds the import profiles (with assistance from your department) necessary to
Fire Inspection Information	Yes	Using our Omega Import Wizard product (a standard component). As part of our standard services the Omega project manager builds the import profiles (with assistance from your department) necessary to
Apparatus Information	Yes	Using our Omega Import Wizard product (a standard component). As part of our standard services the Omega project manager builds the import profiles (with assistance from your department) necessary to
First Due Information	Yes	Using our Omega Import Wizard product (a standard component). As part of our standard services the Omega project manager builds the import profiles (with assistance from your department) necessary to

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6.2.2 Describe Functionality as it pertains performing incident queries:

Requirement: Perform Incident Queries (Calls for service)	Does Software Meet Requirement? (Y/N)	Please Explain
Within a boundary – using any existing or user-defined polygons	Yes	Standard FireView Functionality/ Feature
Near an address – using buffer or radius set by the user	Yes	Standard FireView Functionality/ Feature
Near a feature – any user defined or existing feature (point, polyline, or polygon)	Yes	Standard FireView Functionality/ Feature
Near another incident	No	Standard FireView Functionality/ Feature
All apparatus at an incident	Dependant upon Data	
Temporal Queries – time of day, day of week, by incident type – assist in trend definition	Yes	Standard FireView Functionality/ Feature
Ability to perform Ad-hoc queries – user defined	Yes	We employ a tree structure of Saved Queries we create with your staff, specific to each of your data sets. In addition, you can create queries on-the-fly using the ArcGIS Query Builder.
Ability to utilize 'saved' queries, specific to organization need – user defined	Yes	Beyond the Saved Queries noted above, queries developed in the ArcGIS Query Builder can be created by the client and added to the Saved Query list for later

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6.2.3 Describe functionality as it pertains to spatial / temporal analysis:

Requirement: Perform Spatial / Temporal Analysis	Does Software Meet Requirement? (Y/N)	Please Explain
Standardized density mapping by layer for any incident theme	Yes	Standard FireView Functionality/ Feature
'Hot Spot' density mapping for any incident theme	Yes	Standard FireView Functionality/ Feature
Repeat Cell analysis against any incident theme – analysis can be driven by type of crime, location, time of day, victim, suspect or combination of these criteria	Yes	Standard FireView Functionality/ Feature
Incident to apparatus linking and analysis	No	
Exception Reporting – track incident level between time periods or establish goals/criteria	Yes	Standard FireView Functionality/ Feature
Time series animation – cycle set by user (daily, weekly, monthly) – incidents types also user defined Output can be either Standard Density Map or "Hot Spot" product	Yes, Future Service	This feature is standard functionality in older versions (FireView for ArcView 3.x) of FireView. Latest Release (FireView Service Pack 3 for ArcView 9.0) Does not include function. Functionality anticipated in Service Pack 5 in 2006
Threshold Analysis – use historical data to compare expected ranges in a region to actual activity	Yes	This feature is standard functionality in older versions (FireView for ArcView 3.x) of FireView. Latest Release (FireView Service Pack 3 for ArcView 9.0) Does not include function. Functionality anticipated in Service Pack 5 in 2006

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Incident Trend Analysis – EMS or Fire calls, qualifiers may be set by user	Yes	Standard FireView Functionality/ Feature
Station Placement Analysis to ensure proper response times and adequate backup coverage for district – assist in district boundary adjustment	Yes	Standard FireView Functionality/ Feature
Arsonist Analysis – link to criminal incident reporting for reference and person information	No	
First Due analysis	Yes	Standard FireView Functionality/ Feature

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SCOPE OF WORK

Solicitation Number: P05-0068

**Materials Management
Procurement**
8314 West Cinnabar Avenue
Peoria, Arizona 85345-6560
Phone (623) 773-7115
Fax (623) 773-7118

6.2.4 Describe functionality as it pertains to routing:

Requirement: Routing (assume Peoria can provide location information regarding vehicles)	Does Software Meet Requirement? (Y/N)	Please Explain
Response routing for FD – First Due analysis and delineation	No	
Response time analysis for routing – to assist in response zone delineations	Yes	Standard FireView Functionality/ Feature

A CON 29505



SCOPE OF WORK

Solicitation Number: **P05-0068**

**Materials Management
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6.2.5 Describe functionality as it pertains to mapping:

Requirement: Mapping	Does Software Meet Requirement? (Y/N)	Please Explain
Map Template development for repetitive map generation - standard products	Yes	ESRI Map Template Tools
Flexibility for ad hoc map products related to any of the analysis output identified above. Solution must provide GIS analyst the flexibility to produce product outside of template or auto-generated map product.	Yes	CrimeView is an extension to ArcView, all ArcView functionality is available to end

A CON 29505



SCOPE OF WORK

Solicitation Number: P05-0068

**Materials Management
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6.2.6 Describe functionality as it pertains to reporting:

Requirement: Reporting	Does Software Meet Requirement? (Y/N)	Please Explain
Peoria's primary reporting tool is Crystal Reports – does solution utilize this product?	Yes	A set of standard report templates built in Crystal Reports are customized to your data and needs (with limitations).
Standard Reports – Please identify which / how many standardized reports are part of the solution	Yes	The list includes: Detailed and summary reports for each imported layer, a Repeats Calls report, Response Time Fractals, Apparatus, Value Loss, Exception and others. Approximately 17 reports will be built by Omega
Specialized Reporting – please identify opportunity and cost for Peoria PD to develop specialized reports	Yes	The Peoria PD may develop their own reports at any time. Alternatively, Omega can build additional reports at it's current hourly rate.
Ability for user defined reports – ad hoc reporting capability	Yes	Your staff can edit existing reports as well as create new ones and integrate them into CrimeView.

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SCOPE OF WORK

Solicitation Number: **P05-0068**

Materials Management Procurement

8314 West Cinnabar Avenue
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7. Vendor and System Qualifications

7.1. System Capabilities:

- Provide a summarized description of similar environments where your solution has currently been in production for at least 3-5 years providing similar services.

7.2. Technical Environment:

- Describe the solution's platform, database software and recommended hardware configuration.
- Describe your licensing structure.
 - Note: The City of Peoria prefers network licensing for products to allow multiple installs where applicable
- Describe your patch and upgrade approach.
- Describe the security provided by your solution.
- Describe the connectivity the application uses, for example, ODBC connections with specific drivers or server IP addresses.
- Describe how your solution will allow for future growth.
- Provide system specifications and an estimated cost for hardware.

7.3. Vendor Qualifications:

- The Vendor should demonstrate a proven track record in providing reliable product software solutions across a series of successful project installation efforts. This should include the number of years in existence; number of customers; installation size; available user groups; the process to request modifications and any other pertinent information.
- Vendor's record should reflect experience in work of a similar nature and magnitude to that being proposed. Relevant experience must be associated with projects completed not more than three (3) years prior to the date of this RFP. The Vendor should be prepared to provide information regarding on-time and within budget information for previous similar experience.
- Vendor must provide three references that are currently using the software they are proposing for the City of Peoria. Please include: the name of the organization; the size of the organization, contact names, length of time the customer has been using the solution; and any other pertinent information.

7.4. Implementation Strategy: The Vendor must present an installation plan addressing three major components of the proposed project solution: approach, timeline and organization.

- **Project Understanding and Approach** – The Vendor must include an implementation plan complete with all activities and resources required for successful product implementation. Contents should reflect Vendor's understanding and approach to the project and how it will meet the City's requirements.
- **Project Timeline** – The timeline must include an implementation schedule delineating all activities, tasks and responsibilities of the Vendor and the City's management, users and technical personnel. Include a timeline illustrating the sequence of events from the point of contract award through final user acceptance which will include post system implementation activities. Include Gantt charts (or similar graphic depiction to illustrate phases), activities, tasks, comments, milestones, decision points and deliverables.
- **Organization Description and Project Team** – Include a project organization chart identify the Vendor Project Manager and all key staff members. Include detailed resumes of team members and sub-consultants. Only cite those staff member that will work directly on the project focusing on experience relevant to the tasks

7.5. Data Conversion:

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SCOPE OF WORK

Solicitation Number: P05-0068

Materials Management Procurement

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- Contractor shall state in their proposal the steps for data conversion and the anticipated City involvement, including number of hours and number of staff required, during initial set up and conversion.

7.6. Project Management:

- The Vendor along with the City is responsible for managing the overall implementation effort including activities conducted by other Vendors and the City personnel.
- Activities will include (at a minimum): project supervision; work program administration and coordination activities; project time and expense management; change control management and quality management.
- The Vendor is required to provide a weekly written project status report (including progress accomplishments, percentage of project completed, documented risks and issues that could impact completion, costs incurred and next activities) to the City, with formal monthly and quarterly status reports to be conducted with the City management. In addition, the Vendor is required to conduct monthly status meetings with key project team members. The reporting period begins with the award of contract and continues through final system acceptance testing by the City.
- The Vendor shall provide a detailed listing of their roles and responsibilities.

7.7. Product Documentation:

- The Vendor is responsible for providing system and user documentation for the base product. The Vendor will modify the documentation as required to reflect the City's customization.
- The Vendor will shall at least one master and one copy of systems documentation for hardware, operating software and applications software. As well as system administration documentation and training manuals. Electronic copies in MS Word format are required.
- The Vendor will grant the right to make as many documentation copies for use by the City's employees as needed. In addition, as part of the ongoing license fee, the Vendor will provide one master and one copy of all documentation upgrades for all future system modifications and enhancements.

7.8. Product Training:

- The Vendor is required to provide an estimate for delivering end-user training for approximately 10 users. This should include, a sample training plan and applicable training methodology.
- Also describe any available on-going post implementation training support and associated cost.
- All end user training is conducted within the City's training facilities.
- The vendor shall provide all necessary training materials and software necessary to conduct training for the proposed 10 users. Vendor will coordinate with the City to schedule and identify needs prior to conducting training.

7.9. Product Testing:

- The Vendor is responsible for conducting a comprehensive systems test utilizing the City's environment and data (such as the Accounting String). Though the Vendor is responsible for all testing, verification testing by the City must be allowed to take place.
- The Vendor shall develop a test plan outlining the testing approach, methods, data, participants and other items required for conducting a successful product test.
- The Vendor shall assume responsibility for conducting a product integration test to ensure that the delivered product modifications work to specifications and do not adversely impact the system as a whole.
- The Vendor shall provide resources for product fixes resulting from errors identified during the system testing process.

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SCOPE OF WORK

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- The Vendor shall provide an hourly rate for developing product interfaces in the event this requirement develops during the implementation process.

7.10. Product Installation:

- The proposed solution must include a task-based work plan identifying activities and resources (internal and external) required for successful installation and implementation of the proposed solution component.
- The City will provide the required management, technical and user resources based on the Vendor's Installation and implementation approach and associated activities.
- The Vendor must provide implementation cases for all solution components.

7.11. Support:

- Post Installation – The Vendor must provide immediate production critical support for the City during the first 30 days of operation. In addition, the Vendor will perform a post-installation review to identify production issues and develop an action plan and associated timeline to address these issues.
- Ongoing Support – At a minimum, the Vendor must include information and pricing associated with all aspects of ongoing support and maintenance activities. This support may include: on-site, next day hardware maintenance, industry-standard software maintenance, product help desk during business hours (5 days a week, 10 hours per day during Arizona local time), product fixes, product enhancements; and regular product releases based on a defined on-going maintenance fee.
- The Vendor should define the warranty period and if support costs are applicable during the warranty period. The City expects the Vendor to provide on-going support including help desk, product fixes, product enhancements, and regular product releases (maximum 2 per year) based on a defined ongoing maintenance fee. The Vendor is also required to provide the support and processes to migrate data during upgrades.
- The Vendor must provide complete maintenance, support, operational costs and response times for all solution components.
- All hardware related maintenance must be on-site at the City offices and the warranty and support agreement will begin upon the City's final acceptance of the solutions.
- The Vendor shall describe the process for the City to request future product enhancements. The Vendor must describe how customer requests for product enhancements to the base system are accommodated.

7.12. Product Demonstrations:

- Each vendor must be able to conduct product demonstrations as required.
- Each vendor must be willing and able to complete the Information Technology technical questionnaire as required.

8. PROPOSAL SUBMISSION

A. Proposal Format

Each proposal should be submitted on standard 8 1/2 " x 11 " paper and bound together as a single document. Promotional materials, samples or recently completed work and references are to be edited with respect to relevance to this request and must relate only to the specify individuals proposed for commitment to this project.

a. Technical Proposal

1. Firm's Capabilities - maximum four (4) pages.

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SCOPE OF WORK

Solicitation Number: P05-0068

**Materials Management
Procurement**
8314 West Cinnabar Avenue
Peoria, Arizona 85345-6560
Phone: (623) 773-7115
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- ii. Staff Assignments and Experience - maximum eight (8) pages.
- iii. Firm's Experience/Projects - maximum five (5) pages.
- iv. Project Approach - maximum four (4) pages.
- v. Location of Work - maximum 1/2 page.
- vi. Additional Data Support - detailed resumes, etc. Information and support data shall only be for the local office(s) performing the services. (Data should *not* be mostly a continuation of data called for in items above).

b. Proposal Content - the following items shall be addressed in the technical proposal submission.

- i. Understanding of the Scope of Work.
- ii. Plan and Method of approach to accomplish the Scope of Work.
- iii. Work plan and task schedule to accomplish the required Scope of Work include a description of project detailing the full scope of services to be provided with particular emphasis on overall organization of the city's concerns and needs. The project methodology should be described in sufficient detail to permit objective evaluation of the proposal.
- iv. Overall firm and staff projected workload.
- v. Fee Schedule broken down by task, hours, profession, hourly rate, and total project cost including any reimbursable expenses. Also include a fee schedule broken down by an hourly rate for any additional services that you may provide that are not explicitly documented. Include hourly rate for developing product interfaces, warranty, and ongoing support fees.
- vi. Anticipated City involvement for successful completion of the required Scope of Work.
- vii. References from Similar Projects completed within the last five (5) years.

B. Proposal Deadline

Proposals will be submitted in One (1) Original and five (5) copies and shall be delivered to:

City of Peoria
Materials Management
8314 W. Cinnabar St
Peoria, Arizona 85345

Note the solicitation number on all envelopes/packages.

The proposal shall be due no later than 5:00 p.m. on March 14, 2005

All questions regarding the proposal should be directed to:
Christina Williams (623) 773-7535 or via email: christiw@peoriaaz.com

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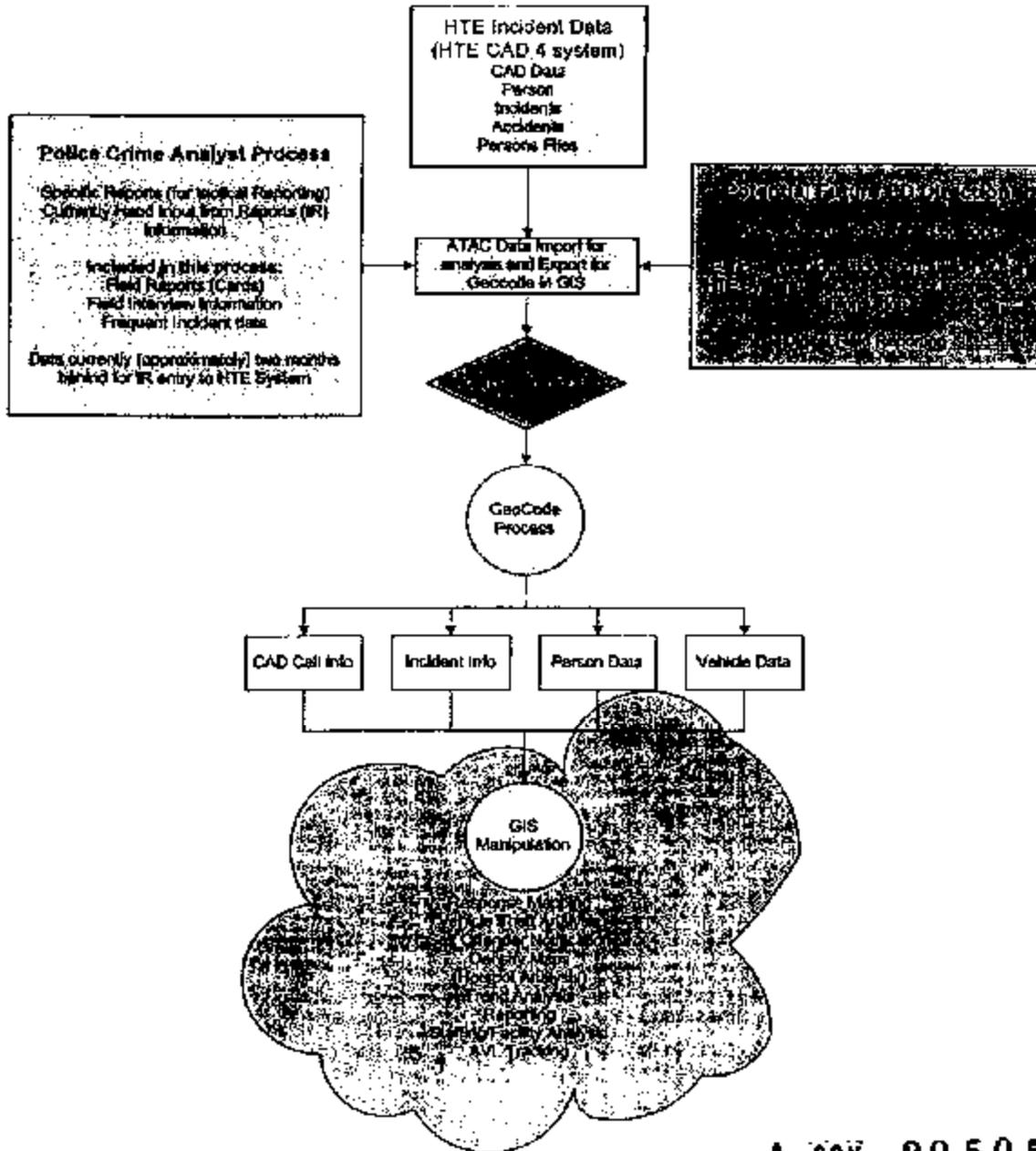


SCOPE OF WORK

Solicitation Number: P05-0068

Materials Management
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8314 West Cinnabar Avenue
Peoria, Arizona 85345-6560
Phone: (623) 773-7115
Fax: (623) 773-7118

Police Department Flow



A CON 29505

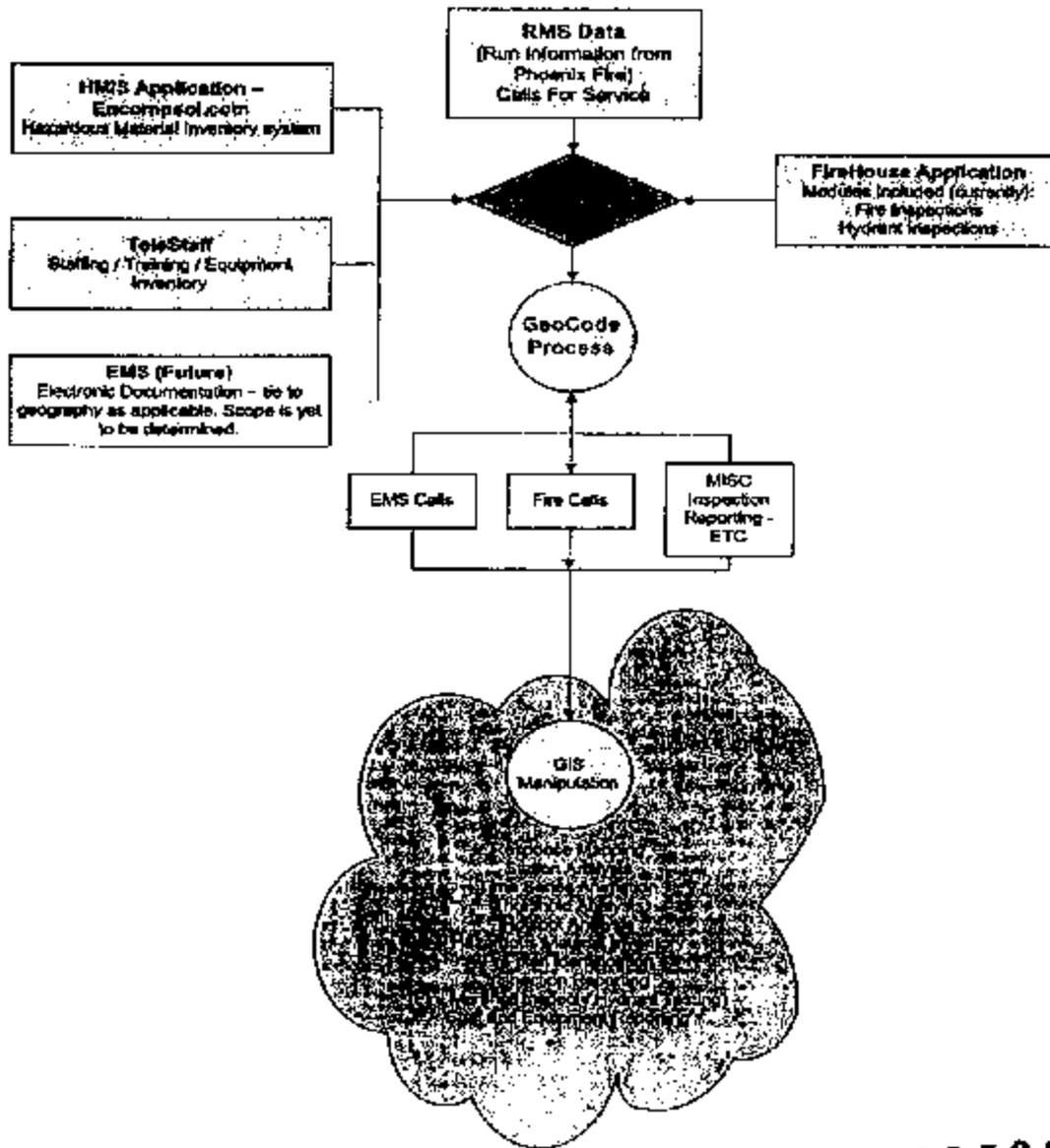


SCOPE OF WORK

Solicitation Number: P05-0068

Materials Management
Procurement
8314 West Cinnabar Avenue
Peoria, Arizona 85345-6560
Phone: (623) 773-7115
Fax: (623) 773-7118

Fire Department Flow



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QUESTIONNAIRE

Solicitation Number: **P05-0068**

**Materials Management
Procurement**

8314 West Cinnabar Avenue
Peoria, Arizona 85345-6560

Phone: (623) 773-7115

Fax: (623) 773-7118

Has your firm been certified by any jurisdiction in Arizona as a minority or woman owned business enterprise?

Yes _____ No _____

If yes, please provide details and documentation of the certification.

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ORIGINAL

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CONTRACT AMENDMENT

**Materials Management
Procurement**
 8314 W. Cinnabar Ave.
 Peoria, AZ 85345
 Telephone: (623) 773-7115
 Fax: (623) 773-7118
 Buyer: Christina Williams

Solicitation No: **P05-0068** Page 1 of 1
 Description: **Public Safety GIS System**
 Amendment No: **One (1)** Date: **04/05/06**

In accordance with Special Terms and Conditions, Contract Extension, the above referenced contract shall expire on 7/31/06.

Contract Term: 8/1/06 through 7/31/07

Contractor hereby acknowledges receipt and agreement. A signed copy shall be filed with the City of Peoria, Materials Management Division.

Nick Mueller 8/2/06 Nick Mueller, President The Omega Group, Inc.
 Signature Date Typed Name and Title Company Name

5160 Carrol Canyon Rd., 1st Floor San Diego CA 92121
 Address City State Zip Code

Attested by:
Mary Jo Kief
 Mary Jo Kief, City Clerk

Sandra Taylor
 Recommended by:
Christina Williams
 Recommended by:



City Seal

CC Number
ACON 29505A
 Contract Number:
 Official File

Stephen J. Burg
 Approved as to Form Stephen M. Kemp, City Attorney
 The above referenced Contract Amendment is hereby Executed
August 8 2006, at Peoria, Arizona.
Herman F. Koebergen
 Herman F. Koebergen, Materials Manager

#06567

ORIGINAL



CONTRACT AMENDMENT

Materials Management
Procurement
8314 W. Cinnabar Ave.
Peoria, AZ 85345
Telephone: (623) 773-7115
Fax: (623) 773-7118

Solicitation No: **P05-0068** Page 1 of 1
Description: Public Safety GIS System
Amendment No: Two (2) Date: 12/15/06

Buyer: Christina Williams

The existing contract shall be amended to include the following:

The additional purchase of two (2) FireView Desktop licenses; \$1,850.00 each, for a total of \$3,700.00.

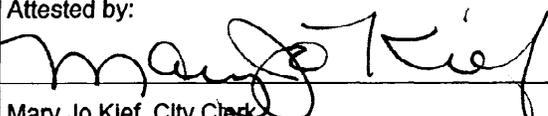
The Omega Group shall authorize the licensing of FireView software to up to six workstations at the Peoria Fire Department, modeling the licensing of ESRI's concurrent use software.

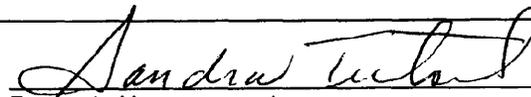
The Peoria Fire Department will be authorized to use FireView on six workstations within the department, with the caveat that only 3 licenses of FireView may be actively used simultaneous to each other.

Contractor hereby acknowledges receipt and agreement. A signed copy shall be filed with the City of Peoria, Materials Management Division.

	<u>1/18/07</u>	<u>Milan R. Mueller</u> President	<u>The Omega Group, Inc.</u>
Signature	Date	Typed Name and Title	Company Name

<u>5160 Carroll Canyon Rd., 1st Floor</u>	<u>San Diego</u>	<u>CA</u>	<u>92121</u>
Address	City	State	Zip Code

Attested by:

Mary Jo Kief, City Clerk

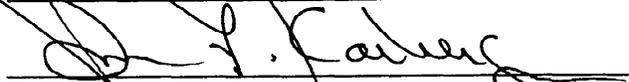

Requested by:

Recommended by:

William L. Emerson, Assistant City Attorney

Approved as to Form: Stephen M. Kemp, City Attorney

The above referenced Contract Amendment is hereby Executed
1-30, 2007, at Peoria, Arizona.


Herman F. Koebergen, Materials Manager



City Seal

CC Number

ACON 29505B
Contract Number:

Official File



THE OMEGA GROUP

5160 Carroll Canyon Road, First Floor
San Diego, CA 92121-1775

QUOTE

DATE	QUOTE #
12/12/2006	2006107

NAME / ADDRESS
City of Peoria, Arizona IT Department Technology Center 8401 W Monroe St Peoria AZ 85345 Attn: Tim Smothers

DESCRIPTION	QTY	REP	CUSTOMER #
		CB	FP-05-011
		COST	TOTAL
<p>One (1) FireView Desktop License</p> <p>FireView software is licensed per workstation, and is defined as 'single use'. FireView software is not officially licensed for concurrent use. The Omega Group will authorize the licensing of FireView software to up to six workstations at the Peoria Fire Department, modeling the licensing of ESRI's concurrent use software, in order to meet the desire for concurrent use of FireView at the Department.</p> <p>The Peoria Fire Department will be authorized to use FireView on six workstations within the department, with the caveat that only 3 licenses of FireView may be actively used simultaneous to each other.</p> <p>The Omega Group obligates the Peoria Fire Department to protect the use of FireView in this manner, and will purchase from The Omega Group additional licenses of FireView Desktop should the Department expand its simultaneous use of FireView on more than 3</p>	2	1,850.00	3,700.00
Please submit a Purchase Order if you would like to proceed. Quote is valid for 30-Days.			TOTAL

Please reference this Purchase Order Number on all correspondence.

APPROVAL SIGNATURE: _____

Phone #	Fax #	E-mail	Web Site
858.450.2590 ...	858.450.0239	amy@theomegagroup.com	www.thcomegagroup.com



THE OMEGA GROUP

5160 Carroll Canyon Road, First Floor
San Diego, CA 92121-1775

QUOTE

DATE	QUOTE #
12/12/2006	2006107

NAME / ADDRESS
City of Peoria, Arizona IT Department Technology Center 8401 W Monroe St Peoria AZ 85345 Attn: Tim Smothers

DESCRIPTION	QTY	REP	CUSTOMER #
		CB	FP-05-011
		COST	TOTAL
workstations. By purchasing software related to this quote, the Peoria Fire Department agrees to the these terms.			
Please submit a Purchase Order if you would like to proceed. Quote is valid for 30-Days.		TOTAL	

Please reference this Purchase Order Number on all correspondence.

APPROVAL SIGNATURE: _____

Phone #	Fax #	E-mail	Web Site
858.450.2590 ...	858.450.0239	amy@theomegagroup.com	www.theomegagroup.com



CONTRACT AMENDMENT

Materials Management
Procurement
8314 W. Cinnabar Ave.
Peoria, AZ 85345
Telephone: (623) 773-7115
Fax: (623) 773-7118

Solicitation No: **P05-0068** Page 1 of 1
Description: Public Safety GIS System
Amendment No: Ext #2 Amend 3 Date: 05/07/07

Buyer: Christina Williams

In accordance with Special Terms and Conditions, Contract Extension, the above referenced contract shall expire on 7/31/07.

Contract Term: 8/1/07 through 7/31/08

Contractor hereby acknowledges receipt and agreement. A signed copy shall be filed with the City of Peoria, Materials Management Division.

Milan Mueller 8/1/07 Milan Mueller, President The Omega Group, Inc.
Signature Date Typed Name and Title Company Name

5160 Carroll Canyon Rd., 1st Floor San Diego CA 92121
Address City State Zip Code

Attested by:

Mary Jo Kief
Mary Jo Kief, City Clerk

Christina Williams
Requested by:
Recommended by:

William L. Emerson, Assistant City Attorney
Approved as to Form, Stephen M. Kemp, City Attorney

The above referenced Contract Amendment is hereby Executed
6-19-07, 2007, at Peoria, Arizona.

Herman F. Koebergen
Herman F. Koebergen, Materials Manager
For



City Seal

CC Number
ACON 29505C
Contract Number:
Official File

A CON 29505C



CONTRACT AMENDMENT

**Materials Management
Procurement**
8314 W. Cinnabar Ave.
Peoria, AZ 85345
Telephone: (623) 773-7115
Fax: (623) 773-7118

Solicitation No: **P05-0068** Page 1 of 1
Description: Public Safety GIS System
Amendment No: Ext #3 Amend 4 Date: 06/30/08

Buyer: Christina Williams

In accordance with Special Terms and Conditions, Contract Extension, the above referenced contract shall expire on 7/31/08.

THE NEW CONTRACT TERM IS:

Contract Term: 8/1/08 through 7/31/09

LAST YEAR OF CONTRACT TERM

Contractor hereby acknowledges receipt and agreement. A signed copy shall be filed with the City of Peoria, Materials Management Division.

Milan R Mueller 7-14-08 MILAN MUELLER, PRESIDENT The Omega Group, Inc.
Signature Date Typed Name and Title Company Name

5160 Carroll Canyon Rd., 1st Floor San Diego CA 92121
Address City State Zip Code

Attested by:

Mary Jo Kief
Mary Jo Kief, City Clerk

Larry Rooney
Larry Rooney, Deputy Chief
Tim Smothers
Tim Smothers, GIS Supervisor

Christina Williams
Recommended By: **Ellen Van Riper, Assistant City Attorney**

Ellen M
Approved as to Form: Stephen M. Kemp, City Attorney

The above referenced Contract Amendment is hereby Executed
7/30/08, 2008, at Peoria, Arizona.

Herman F. Koebergen
Herman F. Koebergen, Materials Manager



City Seal

CC Number
ACON 29505D
Contract Number:
Official File