

TerraSpectra Geomatics Overview

SPECTRUM GIS, Inc., dba *TerraSpectra Geomatics* is a small woman-owned business enterprise located in Las Vegas, Nevada. TerraSpectra Geomatics was founded in 1996 to provide geospatial consulting services to commercial and government clients. Our primary corporate emphasis is the use of remote sensing and geographic information systems (GIS) for environmental applications to serve federal, state, and local governments, and private organizations.

SIN 899-7 GEOGRAPHIC INFORMATION SERVICES

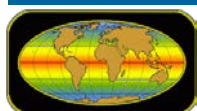
TerraSpectra Geomatics has extensive expertise and specific project experience in the following areas:

- Remote Sensing Mission Planning
- Remote Sensing Analysis
- Historic Site Studies
- Planning Support
- Land Cover Mapping
- Change Detection
- Accuracy Assessment
- Spatial Database Development
- Spatial Analyses
- Mapping and Cartography
- Natural Resource Planning
- Migration Pattern Analysis
- Pollution Analysis
- Site Selection
- Emergency Preparedness Planning
- Geologic Logs
- Topographic Data
- 3D Visualization
- Data Interpretation
- Quality Assurance & Quality Control

STAFF RESOURCES

Each of the TerraSpectra principals has over twenty-five years of applied experience in geospatial technologies. We have specialized education and project experience in: remote sensing; photo-interpretation; photogrammetry; GIS; data conversion; cartography; land resources analysis; environmental science; geology; ecology; and project management.

TerraSpectra has a demonstrated record of providing solutions to meet client needs with the highest quality standards, and in an efficient and responsive manner.



SERVICES

Remote Sensing and Photo-interpretation - We are experts in aerial image interpretation and digital image processing for a broad range of applications. We have expertise in the interpretation and analysis of data from aerial and satellite sensor systems, using photo interpretation, digital image processing, and GIS techniques to perform value-added mapping, modeling, and data integration.

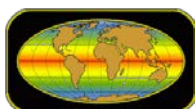
Geographic Information Systems (GIS) - TerraSpectra provides all the services required for optimal GIS design, use, and maintenance. Our specialists provide GIS services encompassing database design and construction, data analysis and modeling, and custom map generation, and report development. We provide data automation (maps and tabular data) and conversion (CAD drawings) services.

Mapping - We have a multi-disciplinary team of experts who are highly experienced in thematic mapping, with special emphasis upon land use/land cover and resource mapping. Photogrammetric products are routinely used to ensure accurate basemaps. We have experience in the design and implementation of accuracy assessments and field verification techniques.

TerraSpectra offers a wide variety of map products, ranging from full-size presentation displays suitable for the boardroom or public hearing auditoriums to publication scale figures for reports and presentations. TerraSpectra offers all map products in most standard digital graphic formats, and on most standard media.

Data Collection – TerraSpectra provides data collection services, including technical assistance to: locate historical aerial photography, satellite imagery, digital archival data or acquire new imagery or field data. We have strong backgrounds in mission planning to collect data for the generation of topographic maps, orthophotography, and digital elevation models. We are experienced in field data collection for inventory and monitoring or for field verification for map accuracy assessments. Accurate field data locations are provided by use of global positioning system (GPS) equipment.

Project Management Support - Our senior staff have extensive experience in managing complex geospatial projects. We use effective project design, monitoring, and management procedures that will ensure projects are completed on schedule and within budget.



GENERAL SERVICES ADMINISTRATION

Federal Acquisition Service *Authorized Federal Supply Schedule Price List*

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through **GSA Advantage!**[™], a menu-driven database system. The INTERNET address for **GSA Advantage!**[™] is: <http://www.GSAAdvantage.gov>.

Federal Supply Schedule: 00CORP Class: F999
Professional Services Schedule - PSS
Contract Number: GS-10F-0402Y
Price list current through Modification PO-0008; effective date 27 July 2017

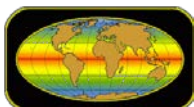
For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at <http://www.fss.gsa.gov>

Contract Period: July 27, 2012 through July 26, 2022

Contractor: SPECTRUM GIS, Inc., DBA: TerraSpectra Geomatics
 2700 E. Sunset Road, Suite A-10
 Las Vegas, NV 89120-3506

Business Size: Small, Woman Owned Business

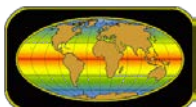
Telephone: (702) 795-8254
FAX Number: (702) 795-2056
Web Site: www.terraspectra.com
E-mail: elaine.ezra@terraspectra.com
Contract Administration: Elaine Ezra



TerraSpectra
GEOMATICS®

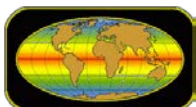
CUSTOMER INFORMATION:

- 1a. **Special Item Number(s):** 899-7 and 899-7RC Geographic Information Services (GIS)
- 1b. **Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply.** N/A.
- 1c. **If the Contractor is proposing hourly rates a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate "Not applicable" for this item.**
SEE LABOR CATEGORY DESCRIPTIONS BELOW
2. **Maximum Order:** \$1,000,000.00
3. **Minimum Order:** \$100.00
4. **Geographic Coverage (delivery Area):** Domestic Only
5. **Point(s) of production (city, county, and state or foreign country):** Same as company address
6. **Discount from list prices or statement of net price:** Government net prices (discounts already deducted). See Attachment.
7. **Quantity discounts:** None Offered
8. **Prompt payment terms:** Net 30 days
- 9a. **Notification that Government purchase cards are accepted up to the micro-purchase threshold:**
Yes
- 9b. **Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold:** will not accept over \$2,500
10. **Foreign items (list items by country of origin):** None
- 11a. **Time of Delivery: (Contractor insert number of days):** Specified on the Task Order



(CUSTOMER INFORMATION: CONTINUED)

- 11b. Expedited Delivery.** The Contractor will insert the sentence “Items available for expedited delivery are noted in this price list.” under this heading. The Contractor may use a symbol of its choosing to highlight items in its price list that have expedited delivery: Contact Contractor
- 11c. Overnight and 2-day delivery:** The Contractor will indicate whether overnight and 2-day delivery are available. Also, the Contractor will indicate that the schedule customer may contact the Contractor for rates for overnight and 2-day delivery: Contact Contractor
- 11d. Urgent Requirements:** The Contractor will note in its price list the “Urgent Requirements” clause of its contract and advise agencies that they can also contact the Contractor’s representative to effect a faster delivery: Contact Contractor
- 12. F.O.B Points(s):** Destination
- 13a. Ordering Address:** Same as Contractor
- 13b. Ordering procedures:** For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA’s), and a sample BPA can be found at the GSA/FSS Schedule homepage (fss.gsa.gov/schedules).
- 14. Payment address:** Same as company address
- 15. Warranty provision:** Contractor’s standard commercial warranty.
- 16. Export Packing Charges (if applicable):** N/A
- 17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level):** Contact Contractor
- 18. Terms and conditions of rental, maintenance, and repair (if applicable):** N/A
- 19. Terms and conditions of installation (if applicable):** N/A
- 20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable):** N/A
- 20a. Terms and conditions for any other services (if applicable):** N/A
- 21. List of service and distribution points (if applicable):** N/A
- 22. List of participating dealers (if applicable):** N/A
- 23. Preventive maintenance (if applicable):** N/A



(CUSTOMER INFORMATION: CONTINUED)

24a. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants:
N/A

24b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contractor’s website or other location.) The EIT standards can be found at: www.Section508.gov/.

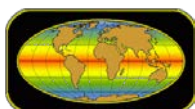
25. Data Universal Numbering System (DUNS) number: 03-672-8814

26. Notification regarding registration in Central Contractor Registration (CCR) database: Registered

Labor Category	Hourly Price
Senior Specialist	\$116.00
Specialist	\$ 83.00
Project Manager	\$103.00
Project Leader	\$ 79.00
Senior Analyst	\$ 74.00
Analyst	\$ 50.00
Junior Analyst	\$ 39.00
Secretary	\$ 38.00
Clerk	\$ 25.00

SCA Matrix		
SCA Eligible Contract Labor Category	SCA Equivalent Code - Title	Wage Determination Number
Secretary	01313 – Secretary III	2005-2331
Clerk	01113 – General Clerk III	2005-2331

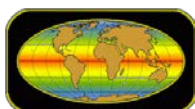
The SCA is applicable to this contract and it includes SCA applicable labor categories. The prices for the indicated SCA labor categories are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCA matrix. The prices offered are based on a work location of Las Vegas, Nevada (Clark County) and should the contractor perform in an area with lower SCA rates, resulting in lower wages being paid, the task order prices will be discounted accordingly.



(CUSTOMER INFORMATION: CONTINUED)
LABOR CATEGORY DESCRIPTIONS

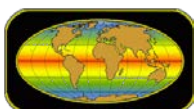
Title	Job Descriptions	Education	Experience
Senior Specialist	Provides high level technical expertise in their subject area and is professionally recognized as an expert in their field. Provides technical advice, and counsel to other professionals and brings both specialty and broad experience to review new developments and problem solutions generated by others. Serves as technical expert on projects which include specialty area. Generally operates with wide latitude and limited oversight. Plans, conducts, and supervises projects of major significance that require advanced knowledge and the ability to develop and apply new and unique methods and procedures. Example discipline areas include photogrammetry, remote sensing, digital image processing, GIS analyses, geological interpretation and mapping, hydrogeology assessments, vegetation mapping and habitat modeling, land cover and land use mapping, landscape architecture and general planning, or similar discipline areas relevant to environmental applications.	PhD	15 years applicable experience

Title	Job Descriptions	Education	Experience
Specialist	Requires advanced professional knowledge and skills in appropriate geospatial discipline(s), such as GIS and remote sensing, for environmental applications. Under minimal direction, provides the expertise of an experienced practitioner and applies advanced concepts and techniques to unconventional problems. Capable of handling complex assignments requiring the development of new or improved techniques and procedures. Develops and evaluates plans and criteria in terms of quality assurance and quality control. Analyzes technical problems. Conducts GIS-related studies including data gathering, conversion and analysis of geospatial data. Assembles technical data and prepares data documentation or metadata for all project work. Monitors, coordinates and/or provides direction on quality control efforts within area of responsibility. Participates in project design and proposal writing. Conducts client needs analyses and performs technical elements of projects.	Masters	12 years applicable experience



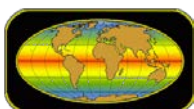
Title	Job Descriptions	Education	Experience
Project Manager	Responsible for the overall management of tasks performed under each contract. Management activities typically include defining project requirements, establishing budgets and schedules, allocation of staff and other resources and the management and oversight of other staff and subcontractor's activities. Designs work plans to define project deliverables and milestones and realistic schedules. Primary point of contact to customers for contract issues. Monitors project performance for compliance to schedules, quality, and other contract terms and conditions. Discipline background in environmental field, preferably with emphasis on GIS and remote sensing.	Masters	15 years experience that includes managing and performing a variety of environmental programs /projects

Title	Job Descriptions	Education	Experience
Project Leader	Coordinates a technical team that provides geospatial support for environmental applications. Participates in definition of proposals and project plans. Develops and evaluates plans and criteria in terms of quality assurance and quality control. Provides technical lead and support for many or all aspects of project activities, including data gathering, conversion, analyses, and reporting. Monitors, coordinates and/or provides direction on quality control efforts for specific projects. Coordinates project work assignments and provides technical guidance and training to other professional staff. May act as principal investigator for research and development projects. Discipline background and professional experience in appropriate geospatial field, such as GIS, remote sensing, geography, geology, biology, environmental science, or similar discipline area.	Masters	10 years applicable experience



Title	Job Descriptions	Education	Experience
Senior Analyst	Requires senior professional knowledge and skills in appropriate geospatial discipline(s), such as GIS and remote sensing, for environmental applications. Under minimal direction, provides the expertise of an experienced geospatial practitioner and applies advanced concepts and techniques to unconventional problems. Carries out complex assignments requiring the development of new or improved techniques and procedures or alternative solutions. Conducts geospatial studies using GIS methods including data gathering, conversion and analysis of geospatial data. Assembles technical data and prepares data documentation or metadata for all project work. Monitors, coordinates and/or provides direction on quality control efforts within area of responsibility. Conducts client needs analyses and participate in proposal writing and project design.	Masters	8 years applicable experience

Title	Job Descriptions	Education	Experience
Analyst	Requires the application of professional knowledge and skills in the mapping (GIS) and/or remote sensing sciences. Under the direction of a technical manager, applies full competency in GIS studies related to functional area of assignment. Conducts data gathering, conversion, analysis, manipulation and processing of spatial data using GIS, image processing, or database software. Prepares data documentation or metadata for GIS projects. Recommends solutions to problems. Participates in or conducts client needs analyses. Monitors and coordinates quality control efforts and/or provides direction on quality control efforts within area of responsibility. May participate in project design and proposal writing.	Bachelors	3 years experience in GIS, or related field
Junior Analyst	Works under close supervision and executes well-defined project tasks. Performs simple geospatial project work while developing professional proficiency. Applies standard practices and techniques in specific situations which may include the following: data gathering; conversion and analysis of GIS data; data documentation or metadata for GIS Projects.	High School Diploma or equivalent	0 years experience (must demonstrate aptitude for using geospatial data processing software)



Title	Job Descriptions	Education	Experience
Secretary	Under management supervision, performs routine office duties, including word processing, phone receptionist, office and equipment supplies, equipment, maintenance contracts, and other office support as needed.	High School Diploma or equivalent	3 years of experience
Clerk	Under general supervision, performs routine office duties including typing, filing, and receptionist duties. Requires proficient typing skills and word processing training.	High School Diploma or Equivalent	Qualified user of standard word processing applications

Methodology for substitution is as follows:
 5 years experience = Bachelors;
 Bachelors plus 3 years experience = Masters;
 Masters plus 3 years experience = PhD

