Geographic Information System Support Services for Emergency Management

Sumter County

RFP #: 012-0-2013/AT

July 1, 2013

SUMMITTED BY:
Dewberry
1000 N. Ashley Drive, Suite 801
Tampa, Florida 33602

SUMMITTED TO:
Sumter County Board of
County Commissioners
7375 Powell Road, Suite 200
Wildwood, Florida 34785
July 1, 2013

Sumter County Board of County Commissioners
Attn: Ms. Chris Morrison
7375 Powell Road, Suite 200
Wildwood, Florida 34785

RE: RFP 012-0-2013/AT/Geographic Information System Support Services for Emergency Management

Dear Ms. Morrison:

In response to the Sumter County, Florida Request for Proposals for Geographic Information System Support Services for Emergency Management, Dewberry Consultants LLC (Dewberry) submits the following qualifications submittal.

Dewberry is prepared to immediately provide these services with staff from our Florida office locations. We are an industry leader with over 30 years of geospatial and emergency management services experience, and will partner with you to fulfill your support services needs.

This qualifications submittal provides an in-depth overview of our experience and qualifications, capacity to provide support, and staff resources available to Sumter County with cost effective, timely and high-quality products and services. Dewberry is excited about the opportunity to work with Sumter County. We look forward to a strategic partnership that brings many future successes to us all.

Please feel free to call me directly if you have any questions regarding this proposal.

Sincerely,

Phillip (Phil) Thiel
Senior Vice President
703.849.0271
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PROPOSALS DOCUMENTS  
PROPOSALS COVER PAGE

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<th>Dewberry Consultants LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Federal Employer Identification Number (FEIN):</strong></td>
<td>54-0604420</td>
</tr>
<tr>
<td><strong>State of Florida License Number (If Applicable):</strong></td>
<td>M12000005739</td>
</tr>
<tr>
<td><strong>Name of Contact Person:</strong></td>
<td>Phil Thiel</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Senior Vice President</td>
</tr>
<tr>
<td><strong>E-Mail Address:</strong></td>
<td><a href="mailto:pthiel@dewberry.com">pthiel@dewberry.com</a>/703.849.0271</td>
</tr>
<tr>
<td><strong>Mailing Address:</strong></td>
<td>1000 N. Ashley Drive, Suite 801</td>
</tr>
<tr>
<td><strong>Street Address (if different):</strong></td>
<td></td>
</tr>
<tr>
<td><strong>City, State, Zip:</strong></td>
<td>Tampa, FL 33602</td>
</tr>
<tr>
<td><strong>Telephone:</strong></td>
<td>813.225.1325</td>
</tr>
<tr>
<td><strong>Fax:</strong></td>
<td>813.225.1385</td>
</tr>
<tr>
<td><strong>Organizational Structure – Please Check One:</strong></td>
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</tr>
<tr>
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<tr>
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</tr>
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<tr>
<td><strong>State of Incorporation:</strong></td>
<td>Virginia</td>
</tr>
<tr>
<td><strong>States Registered in as Foreign Corporation:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Authorized Signature:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Print Name:</strong></td>
<td>Phil Thiel</td>
</tr>
<tr>
<td><strong>Signature:</strong></td>
<td>[Signature]</td>
</tr>
<tr>
<td><strong>Title:</strong></td>
<td>Senior Vice President</td>
</tr>
<tr>
<td><strong>Phone:</strong></td>
<td>703.849.0271</td>
</tr>
</tbody>
</table>

**This document must be completed and returned with your Submittal.**
THE UNDERSIGNED, being all the managers of Dewberry Consultants LLC, a Virginia limited liability company (the “Company”), do hereby unanimously consent to and authorize the following actions and resolutions as if the same were adopted at a duly held special meeting of the Managers:

WHEREAS, the Company desires to designate the Company’s subordinate managers (officers) and branch managers who may sign a contract for services on the Company’s behalf, and to set forth the conditions under which such officers and branch managers may sign a contract on the Company’s behalf;

NOW, THEREFORE, BE IT

RESOLVED, that, for the period July 1, 2013 through June 30, 2014, the following persons are considered Authorized Company Officers for the purpose of signing a contract on the Company’s behalf:

Donald E. Stone, Jr., President
Dan M. Pleasant, Executive Vice President
Douglas R. Fahl, Executive Vice President
David J. Mahoney, Executive Vice President
Kurt R. Thompson, Executive Vice President
Theodore C. Van Kirk, Executive Vice President
William E. Fissel, Senior Vice President
Douglas D. Frost, Senior Vice President
Gary W. Kirkbride, Senior Vice President
Timothy C. McCormick, Senior Vice President
Michael R. Snyder, Senior Vice President
Phillip J. Thiel, Senior Vice President
James R. Draheim, Vice President
David Francis, Vice President
S. Allen Groover, Vice President
Bryon Griffith, Vice President
John Moynier, Vice President
Grant M. Smith, Vice President
Jerry W. Sparks, Vice President
Neal T. Wright, Vice President
Laurence W. Zensinger, Vice President

FURTHER RESOLVED, any individual appointed as an officer as evidenced by resolution of the Company’s Board of Managers, given the title of Vice President, Senior Vice President, or Executive Vice President, shall be considered an Authorized Company Officer for the purpose of signing a contract on the Company’s behalf;
FURTHER RESOLVED, that, for the period July 1, 2013 through June 30, 2014, the following persons are considered Business Unit Managers for the purpose of signing a contract on the Company’s behalf:

Jim Davidson                              Dan Williams
Timothy C. Culleiton                     Glenn Pearson
Peter J. Drenan                           David J. Mahoney
William E. Fissel                         John Moynier
Douglas D. Frost                          Peter Okafor
Christopher Gregus                        Timothy C. McCormick
S. Allen Groover                          Jeffrey R. Poplin
Duncan Hastie                             Grant M. Smith
Gilbert Jones                             Javier I. Vega
Jean Huang                                Alejandro Villegas
Marc Mezzanotte                           Neal Wright
Ken Davis

FURTHER RESOLVED, any individual appointed to the position of Business Unit Manager between July 1, 2013 through June 30, 2014, shall have authority to sign a contract on the Company’s behalf, provided that said authority is evidenced by a certificate signed by the Company Secretary;

FURTHER RESOLVED, that, a contract not in excess of $200,000, may be signed by an Authorized Corporate Officer or a Business Unit Manager, on the Company’s behalf; and,

FURTHER RESOLVED, that, a contract, in excess of $200,000, may be signed by the Company’s President, or an Executive Vice President, on the Company’s behalf, without another authorized person signing.

FURTHER RESOLVED, that the Corporation’s President or Executive Vice President each has the power and authority to legally bind the Corporation to a joint venture between the Corporation and one or more other professional service companies; and

FURTHER RESOLVED, that the Corporation’s President or Executive Vice President each has the power and authority to legally bind the Corporation to teaming agreements for professional services and confidentiality agreements.

Each Manager, by signing this consent, waives notice of the time and place and purpose of such special meeting of the Board of Managers and agrees to the transaction of the business of such special meeting by unanimous written consent of the Managers in lieu of such meeting.
Barry K. Dewberry, Chairman

Sidney O. Dewberry, Manager

Donald E. Stone, Jr., Manager
Tab A: Technical Capability

www.dewberry.com
Tab A: Technical Capability

INTRODUCTION
Throughout the disaster lifecycle of preparedness, response, recovery, and mitigation, geospatial technologies provide an understanding of event parameters, situational awareness, and the ability to model events and associated consequences. Geospatial technology tools can help Sumter County meet both their emergency management mission needs and business functions.

Dewberry Consultants LLC (Dewberry) are experts in helping clients develop custom geospatial technology and has the experience, understanding, capacity, and capability to offer this specialized support to Sumter County, as we’ve done for 25 other Florida counties/municipalities over their past 130 emergency events. Highlights of our experience include debris modeling in five Florida counties; substantial damage estimates in New Jersey; documenting geospatial coordination activities and hosting exercises for the Department of Homeland Security; and conducting geospatial emergency management planning for Tampa Electric Company. Sumter County can rely on Dewberry for qualified geospatial support staff to augment existing onsite support, develop solutions, or handle ad hoc requests such as printing map documents.

For more than 55 years, Dewberry has been delivering top-notch professional architecture, engineering, and consulting services with the highest levels of integrity and client service. Dewberry’s approach to any project is to integrate its core values of putting the client first and delivering excellence during all phases of the project, while adding extra value in the form of lowest possible overhead and maximum efficiency, teamwork, and honesty.

With Dewberry as a reliable partner, Sumter County receives quality geospatial support services to help their responsible officials make faster, more informed decisions.

We began to deliver client-focused services in 1956, when we were founded as an A/E firm. In the 1970s, Dewberry began to diversify its service offerings to include geospatial technologies and emergency management. Through excellence in this work, Dewberry became FEMA’s first technical assistance contractor for various disaster recovery services starting in the 1980s, and has been one of FEMA’s primary contractors for more than 25 years. Our experience supporting clients in preparing for and responding to natural disasters has given us unique insight into how such incidents are prepared for and managed and within communities. With this insight we have successfully helped hundreds of local, State, and Federal clients to become more resilient through geospatial technologies and emergency management preparedness, planning, consulting, and recovery services that help reduce the impact of future disaster incidents. We’re eager to bring this high-quality support to Sumter County.

Dewberry will use Florida-based staff from our offices in Tampa and Orlando, supplemented with subject matter experts across other Dewberry offices. Dewberry recently acquired Bowyer-Singleton, with offices in Orlando, Bartow, DeLand, Jacksonville, and Ocala. Bowyer-Singleton brings expertise in planning, engineering, environmental, and survey mapping services to clients including Sumter County.
Bowyer-Singleton’s work with Sumter County Engineering gives Dewberry not only more local capacity but also a comprehensive understanding of Sumter County’s challenges. Combined, our experience gives Sumter County local Florida capacity for geospatial services with the ability to reach back to Dewberry’s nationwide geospatial expertise.

**UNDERSTANDING OF SCOPE**

Dewberry has supported local, State, and Federal clients with geospatial technology in Florida for 30 years. This support, for Sumter and many other Florida counties, includes using geospatial tools for debris estimation, engineering analysis, surge modeling, hurricane evacuation, and mitigation planning.

Sumter County has unique economic and hazard mitigation challenges owing to the geography and to the diversity of residents within the area. People who used to be part of Sumter County’s agricultural and rural heritage are migrating to a booming retirement community and bringing with them the desire to add economic capacity by expanding the distribution capabilities of railways and highways. The large and expanding retirement community in the northeast called The Villages is a great example of a public-private partnership, one that Dewberry has vast experience working with during previous Sumter County projects.

With respect to flood hazards, the Southwest Florida Water Management District called on Dewberry to modernize your flood maps. Although the project didn’t include funding for new hydraulic and hydrologic modeling of the area, Dewberry worked with staff and resources in Sumter County, its cities, and The Villages to incorporate new modeling and topography wherever we could.

One of the predominant flood hazard concerns is the Withlacoochee River, which follows Sumter County’s western boundary from north to south. The extensive wetlands associated with the river are part of this ecological system. Another large county water feature, Lake Panasoffkee, north of Bushnell, also has a large associated wetland system.

A further item relating to floodplain management is The Villages development, with its dense retirement population. The stormwater systems in The Villages are mostly landlocked basins with an extensive roadway system.

The county as a whole is very diverse, with urban areas and small cities together with citrus and other farming. Cattle are also popular and a big economic engine for the region. Recreational areas associated with the Lake and the river adds more entertainment and economic drivers.

**EXPERIENCE WITH SUMTER COUNTY**

Dewberry’s experience with Sumter County gives you a consultant that understands the geography of the communities supported and can supply geospatial solutions to help the decision makers make more informed decisions about how best to support and protect the community.

The reach of our geospatial emergency management expertise is broad. Dewberry brought geospatial services to aid response California’s mudslides, in Louisiana after Hurricane Katrina, and in Texas after Hurricane Ike; developed a GIS-based website in response to the 2007 California Wildfires; developed an application to help estimate debris for FEMA Headquarters - Public Assistance; supported FEMA Regions and JFOs with geospatial expertise; supported floodplain mapping under RiskMap and under the Hazard Mitigation Technical Assistance Contract; and used geospatial analysis to deploy housing inspectors for FEMA Individual Assistance. Through these and other services we’ve gained deep knowledge of emergency management. We understand the full disaster lifecycle and how geospatial technology can and will help and support the business processes of Sumter County.

**SERVICES**

Dewberry’s capacity and understanding of Sumter County will allow us to start providing geospatial support services immediately upon request of Sumter County. Our geospatial service offering highlights include:

- **Business processes.** Before the start of any task order, we’ll work with the County to establish project goals and requirements. We’ll document the requirements, which will serve as a measure of
success throughout the project. We’ve done business process analysis and documentation of requirements for many clients, most recently for Baltimore County, Maryland, to document the effectiveness of geospatial technologies.

• **Geospatial data analysis.** With Bowyer-Singleton, Dewberry already has an understanding of the Sumter County facilities, geospatial data, and community databases available. We’ll work with the County’s GIS team to develop protocols on analyzing geospatial data and document where specific data layers are located. This will help our geospatial support staff respond faster during an event. For instance, Falls Church, Virginia, has had significant recent turnover in their geospatial group. As a result, there were no protocols on how to access or analyze geospatial data. Event standards such as map templates were not documented. Dewberry spent four months developing protocols for Falls Church’s Geospatial group and continues to support them now.

• **Geospatial development.** Dewberry has a strong capability in geospatial application development for emergency management projects at all levels of government. A methodology we recently developed for FEMA to estimate debris using remote sensing technologies was implemented after the Oklahoma tornadoes. For the New Jersey Department of Environmental Protection, we developed a dashboard to track the status of waterway debris removal. Geospatial technologies are the foundation of the dashboard, with daily status of debris efforts, schedule, and integration of a mobile application depicting the location and pictures of observations in the field. Dewberry’s experience in geospatial development includes mobile application development on Android, iOS, and Windows platforms; web application development using open source and Esri solutions; database development using SQL Server and Oracle; and desktop application development using Esri technologies.

• **Emergency management services.** Dewberry can furnish other services under this task order, including damage assessments, hazard mitigation planning, risk assessment, exercises, and cost-benefit analysis. We have and can deploy as needed people with experience in these and other emergency management service areas.

### Technology Equipment

Dewberry has the necessary software and hardware to complete geospatial projects of any size and nature. In many cases during our onsite geospatial support to events, we’re self reliant on our own equipment, connectivity, supplies, and backup systems. Right after Hurricane Katrina, Dewberry sent the first geospatial analysts onsite at the FEMA joint field office. We set up a temporary geospatial support group using laptops, MiFis, and an external hard drive for backup until FEMA got itself established.

Physical resources from equipment and software available to our people include:

<table>
<thead>
<tr>
<th>Equipment</th>
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</tr>
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<tbody>
<tr>
<td>Workstations</td>
<td>1150</td>
</tr>
<tr>
<td>Servers</td>
<td>150</td>
</tr>
<tr>
<td>Laptops</td>
<td>500</td>
</tr>
<tr>
<td>Plotters</td>
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</tr>
<tr>
<td>Printers</td>
<td>250</td>
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<tr>
<td>Tablets</td>
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<thead>
<tr>
<th>Software</th>
<th>Type</th>
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<tbody>
<tr>
<td>ESRI¹</td>
<td>ArcMap 9.x,10.x all extensions included</td>
<td>Unlimited</td>
</tr>
<tr>
<td></td>
<td>ArcGIS Server and ArcGIS Mobile</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Windows²</td>
<td>Windows 7 64-bit Operating System</td>
<td>Company-wide</td>
</tr>
</tbody>
</table>

¹ [ESRI Enterprise License Agreement (ELA)]
² [Microsoft Enterprise Agreement]

### KNOWLEDGE AND DEMONSTRATED EXPERIENCE

#### Spatial Experience

Dewberry has consistently shown a high degree of sophistication in developing and implementing solutions for geospatial data dissemination, application development, spatial analysis, and modeling. A common thread from our client feedback meetings is appreciation for the high quality of our deliverables and our industry expertise. We have extensive experience with all aspects of enterprise geospatial solutions. From developing workflow process models to
illustrate use-case scenarios to the implementation of maintenance and training procedures, we’ll work closely with Sumter County on each phase of the application development process and deliver successful, long-term solutions Sumter County can build on as their business requirements change. These methods have included web-based solutions and mobile technologies for handheld tablet and other GPS-equipped hardware. Our geospatial web development portfolio spans the full range of distribution capabilities, from lightweight data viewer applications to robust data collection and analysis platforms. These technologies let users consume the latest geospatial data in real time to facilitate situational awareness and inform decision making in the field.

Non-Spatial Experience

Dewberry has experience designing, engineering, and supporting databases using relational database management software, including Oracle and MS SQL Server. We’ve also leveraged the use of MS Excel for data capture and analysis and for tracking project deliverables. As a comprehensive database management solution provider, Dewberry is a leader in the field of database design and development. Our knowledge of database design standards, augmented by our breadth of experience with industry-specific data models, gives us the ability to offer complete data solutions.

On the following pages, we’ve included relevant project descriptions to further demonstrate our experience similar to your Geographic Information System Support Services for Emergency Management project.

<table>
<thead>
<tr>
<th>Spatial and Non-Spatial Relevant Experience</th>
<th>Relevant Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Scope Requirement</strong></td>
<td></td>
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</tbody>
</table>
| Spatial database development, collection of geospatial data, and maintenance of geospatial data in various ESRI-compatible formats, including but not limited to: shape files, file geo-databases, and versioned ArcSDE enterprise geo-databases. | • Sumter County FEMA Flood Insurance Rate Map Update  
• New Jersey Substantial Damage Estimates  
• Louisa County Public Schools Earthquake Recovery Efforts (Virginia)  
• Nationwide Infrastructure Support Services Technical Assistance Contract  
• Hazard Mitigation Technical Assistance Program  
• Pinellas County Debris Management Plan (Florida)  
• Tampa Bay Regional Planning Council Catastrophic Plan Scenario Development  
• Tampa Electric Company (TECO) Risk Assessment  
• Department of Homeland Security (DHS) Geospatial Concepts of Operations  
• 200 other projects |

<table>
<thead>
<tr>
<th><strong>Non-Spatial Relevant Experience</strong></th>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Scope Requirement</strong></td>
<td></td>
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</table>
| Non-spatial database development, collection of non-spatial data, and maintenance of non-spatial data in various formats. | • New Jersey Substantial Damage Estimates  
• Nationwide Infrastructure Support Services Technical Assistance Contract  
• Hazard Mitigation Technical Assistance Program  
• 150 other projects |

<table>
<thead>
<tr>
<th><strong>Common emergency management practices and processes, including but not limited to: hazard/risk analysis, damage assessment, incident mapping, and loss projections.</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Scope Requirement</strong></td>
<td></td>
</tr>
</tbody>
</table>
| Planning Council Catastrophic Plan Scenario Development  
Tampa Electric Company (TECO) Risk Assessment  
Department of Homeland Security (DHS) Geospatial Concepts of Operations  
200 other projects | • New Jersey Substantial Damage Estimates  
• Technical Assistance Consulting Services for Massachusetts Water Resources Authority  
• Louisa County, Virginia  
• Nationwide Infrastructure Support Services Technical Assistance Contract  
• Hazard Mitigation Technical Assistance Program  
• Pinellas County, Florida  
• Tampa Bay Regional Planning Council Catastrophic Plan Scenario Development  
• Tampa Electric Company (TECO) Risk Assessment  
• Department of Homeland Security (DHS) Geospatial Concepts of Operations  
• 200 other projects |
Dewberry has been supporting Pinellas County, Florida, since 2002. Our work began with a debris needs assessment that evaluated their ability to respond to a debris-generating event, after which we made recommendations for improving their capabilities. We developed a comprehensive Debris Management Plan for the county and its 24 independent municipalities. Under our current contract, Dewberry continues to serve Pinellas County in the following ways:

**GIS-Based Debris Prediction Model.** Dewberry developed a GIS-based Debris Prediction Model that will predict the volume of disaster debris generated by various natural and manmade disaster events (hurricane, tornado, flood, and bomb blast). This model will reside on the Pinellas County server, using data from the county’s GIS system. Additional tools were used to assess the need for size of temporary storage/staging/reduction sites, to evaluate disposal options, and to manage post-disaster debris operations.

**Site Operations Management Plans.** Dewberry evaluated three sites available for use as debris staging, storage, reduction, and transfer (North County site, Central County site, and South County site) and developed plans to address temporary debris storage and staging and final disposal.

**Coordinated Debris Management Plan.** Dewberry prepared a debris management plan integrated with the County’s Comprehensive Management Plan and Emergency Management Plans. It addressed the management and operational structures needed to prepare for, respond to, and recover from a debris-generating disaster event.

**Training.** Dewberry conducts annual training for Pinellas County and local municipality staff to ensure the area is prepared for each hurricane season. The following two courses are offered each year.

**Public Assistance Program Workshop.** This workshop furnishes hands-on assistance with the decision-making and administration of the recovery operations, including FEMA eligibility assessments for response/recovery activities, contractor operations, grant management, and coordination with FEMA and State recovery managers.

**Debris Monitoring Workshop.** This workshop helps participants develop a debris monitoring plan and provides guidance for engaging and overseeing the debris monitors.
Dewberry is helping the DHS Geospatial Management Office with developing a Geospatial Concept of Operations (GeoConOps) Plan under sub-contract to Booz Allen. The GeoConOps is a multiyear effort focused on the geospatial communities supporting DHS and emergency management activities under the National Response Framework. Through the development of the GeoConOps, end users supporting homeland security and emergency management operations will be better serviced with authoritative and expedited coordination mechanisms to facilitate the sharing of geospatial information.

The GeoConOps is now being expanded to include catastrophic disasters to address the expanded roles of the Federal response community and the increased level of effort associated with these disasters. We chose to use the large-scale planning effort of the New Madrid Seismic Earthquake Scenario as the basis for documenting geospatial efforts during a catastrophic event. Through interviews and requirements gathering, we identified the primary Federal geospatial activities supporting Federal response and recovery and categorized them into Operations, Models, and Imagery. These activities, detailed in the GeoConOps, include a timeline of when these products should be available. Since the National Level Exercise (NLE) 2011 is focused on the New Madrid Seismic Zone, the DHS GMO directed that the geospatial activities identified in the GeoConOps be implemented and tested during this exercise. The NLE suggested certain modifications to the GeoConOps, which we implemented after the exercises. The GeoConOps is now focused on maintaining the authoritative data list and integrating with preparedness.

**COST:**
$54,634

**COMPLETION:**
2013

**CONTACT:**
Ronald Langhelm
Booz Allen Hamilton, Inc.
253.683.0291

**RELEVANCY FEATURES:**
- Fulfilling real-time incident map requests to support response information needs
- Search and rescue mapping
- Infrastructure damage assessment
- Residential and business damage loss estimations
- Debris clearance and management operations mapping
- Critical facility/infrastructure data and mapping
- Wildfire suppression mapping
- Flood/FIRM mapping such as high water mark
- EM-customized data sets of local resources
- Demographic and economic analysis for impacted areas
- Disaster drill and exercise development
- Tornado path impact analysis
- GIS queries such as what locations are within a specific area
- Imagery layering
- Hazardous material plume modeling interfacing with CAMEO and MARPLOT
- Spatial database development
- Non-spatial database development
- Hazard/risk analysis
- Loss projections
- Capability to mobilize
- Ability to expand and contract resources
Flood Risk Assessment For Eastern Branch Natural Gas Service Areas
Tampa, Florida

The Tampa Electric Company (TECO) chose Dewberry for GIS planning services to help with emergency management, business continuity, and mitigation planning. Tampa Electric generates, transmits, and distributes electricity and natural gas. Given the nature of the critical infrastructure involved, Dewberry needed to make sure activities were conducted in a secure manner as per client instructions.

The most recent activity was to assess the flood vulnerability of six service areas for TECO’s natural gas capabilities. Dewberry used coastal surge modeling (SLOSH) data, evacuation data, and FEMA flood hazard data to create GIS deliverables such as ESRI databases with polygons of flood risk and raster flood depth grids to help with emergency management activities. We also created KMZ files for viewing with Google Earth products. We completed our risk assessment and transmitted deliverables within a month, to TECO’s satisfaction.

Dewberry has also deployed GIS services over the last two years to help TECO with annual emergency management exercises that assessed the company’s hurricane vulnerability and business continuity.

COST:
$9,300

COMPLETION:
2013

CONTACT:
Susana Mueller
Tampa Electric Company (TECO)
813.228.4403
smmueller@tecoenergy.com
702 N Franklin St
Tampa Florida 33602
United States

RELEVANCY FEATURES:
- Infrastructure damage assessment
- Critical facility/infrastructure data and mapping
- Flood/FIRM mapping such as high water mark
- EM-customized data sets of local resources
- Demographic and economic analysis for impacted areas
- Disaster drill and exercise development
- GIS queries such as what locations are within a specific area
- Imagery layering
- Spatial database development
- Hazard/risk analysis
- Loss projections
- Capability to mobilize
- Ability to expand and contract resources
Sumter County Continuing Services

Sumter County, Florida

Bowyer-Singleton staff, now owned by Dewberry, supply as-needed professional consulting for Engineering Support Services for Sumter County – Division of Planning and Development – Development Review Services.

Dewberry|Bowyer-Singleton reviews project development plans for site development including stormwater management and drainage submitted through the County’s development review process for site conditions and other engineering considerations favorable or unfavorable to development; for general layout, traffic circulation, stormwater and drainage provisions, and other code requirements; and for good engineering design. We also conduct on-site inspections of development project improvements for conformance with approved engineering plans and specifications. Dewberry|Bowyer-Singleton reviews and submits all comments for revised preliminary and/or engineering plans to the Sumter County Development Review Coordinator and participates in developing or updating codes, policies, procedures, and forms related to the development process. Bowyer-Singleton sits on the Sumter County Development Review Committee as the County Engineering representative.

CONTACT:
Sumter County
7375 Powell Road
Wildwood, FL 34785
Aimee Webb
Development Coordinator
352.689.4400
352.689.4401 FAX

RELEVANCY FEATURES:
- Fulfilling real-time incident map requests to support response information needs
- Infrastructure damage assessment
- Critical facility/infrastructure data and mapping
- Spatial database development
- Ability to expand and contract resources
Hazard Mitigation Technical Assistance Program (HMTAP)
Nationwide, United States

Hazard Mitigation is a critical component of FEMA’s overall mission, seeking to achieve disaster-resilient and sustainable communities. Effective mitigation can break the cycle of disaster damage, rebuilding, and repeated damage. FEMA offers technical assistance to States and local communities through its Hazard Mitigation Technical Assistance Program (HMTAP).

Dewberry has supported HMTAP for more than 15 years, including as a prime contractor for the past two years. We have met FEMA’s expectations on 97% of the task orders assigned; more than 300 Task Orders were completed at an average 16% under budget. Dewberry has received “exceptional” ratings in all scored criteria for contract performance.

Services offered within a Task Order Scope of Work include:

- Engineering and architectural services related to FEMA’s Mitigation mission for risk reduction;
- Developing and implementing a systematic method, process, and tools for determining losses avoided due to mitigation; and
- Conducting post-event assessments to identify mitigation opportunities.

**Geospatial Analysis** Dewberry documented the analysis of the Hazard Mitigation Analysis grant database using geospatial technologies. The results of this analysis identified spatial trends that were used to evaluate the effectiveness of the HMA program, to help FEMA better manage the HMA program, and to let FEMA use the data more quickly and effectively in a post-disaster environment.

**COST:** $150,000,000

**COMPLETION:** Ongoing

**CONTACT:**
Gina White
Management and Program Analysis Officer
FEMA
202.646.3906

**RELEVANCY FEATURES:**

- Fulfilling real-time incident map requests to support response information needs
- Search and rescue mapping
- Infrastructure damage assessment
- Debris clearance and management operations mapping
- Critical facility/infrastructure data and mapping
- Wildfire suppression mapping
- Flood/FIRM mapping such as high water mark
- Mitigation project Cost-Benefit Analysis
- EM-customized data sets of local resources
- Demographic and economic analysis for impacted areas
- Disaster drill and exercise development
- Tornado path impact analysis
- GIS queries such as what locations are within a specific area
- Imagery layering
- Hazardous material plume modeling interfacing with CAMEO and MARPLOT
- Spatial database development
- Non-spatial database development
- Hazard/risk analysis
- Loss projections
- Capability to mobilize
- Ability to expand and contract resources
Dewberry recommended improvements for future HMA data analysis and identified requirements for the next iteration of the HMA database.

**Benefit-Cost Analysis**
During the 2008 re-engineering of FEMA’s Benefit Cost Analysis software, Dewberry led the development of the cost estimation, Damage Frequency Assessment (DFA), and wildfire methodologies.

We developed a new way to estimate unknown frequencies within the DFA tool and revised the estimating protocol for the annual number of floods within the Flood Module.

Dewberry also facilitated an expert panel to develop new depth damage functions (DDF) for residential buildings in Coastal A Zones and updated DDFs for residential buildings in V Zones. The panel members included officials from FEMA, United States Army Corps of Engineers, academia, and contractors with expertise in structural engineering, coastal science, building restoration, and insurance.

**Program Support**
Although FEMA is authorized to fund “minor flood control” projects, no clear definition existed to distinguish “minor” projects from “major” ones. Through research and facilitation of a FEMA Work Group, the Dewberry team developed a Policy Options Paper for FEMA’s senior management to help set FEMA’s policy.

Dewberry prepared policy and outreach materials and documents for use by Federal, State, local and private sector organizations involved in the management of floodplain or coastal floodplain management. We also helped FEMA update and produce manuals, including the NFIP Compliance Manual and the NFIP Community Enrollment and Eligibility Handbook.

**Grant Review** Dewberry supports FEMA in technical review and evaluation of HMGP applications in response to disaster declarations in Iowa and Texas. Our technical experts evaluate standard and complex engineering projects including electrical retrofits, acquisitions, drainage improvements, building/structural retrofits, and safe room construction.

**Other representative HMTAP tasks under this contract include the following:**
- Dewberry has completed 162 BCA Task Orders including more than 40 specific training deliveries in more than 25 States and 9 regions as well as more than over 70 other training and workshop activities delivered nationwide. Dewberry delivered these technical field trainings: Substantial Damage estimating using RSDE, retrofitting flood-prone residential buildings, and residential coastal construction.
- Dewberry is the current contractor supporting FEMA’s benefit-cost analysis helpline, responsible for fielding both technical inquiries on how to use the software and on the data inputs required for the software. We have responded to more than 390 inquiries since August 16, 2011.
- Dewberry provided subject matter expertise and peer reviews during the development of the training materials for the BCA Cost Estimation, DFA, and Wildfire Modules.
- Dewberry customized and delivered the Mitigation Planning Course 10 times in Virginia, and conducted reviews of HMGP sub-applications from Texas for program eligibility, cost-effectiveness, and engineering feasibility.
- Participated in the development of benefit-cost analysis methodologies used by FEMA to analyze tornado and counterterrorism projects and to integrate disparate flood analysis modules into a single analysis tool. Ongoing technical assistance to FEMA’s Benefit Cost Hotline.
- Reviewed projects submitted for funding under FEMA’s Pre-Disaster Mitigation Program. Also performed engineering/environmental/cost benefit analysis reviews for thousands of projects submitted under FEMA’s Hazard Mitigation Grant Program.
- Conducted local mitigation plan evaluations and reviews for compliance with the Disaster Mitigation Act of 2000 regulations for FEMA.
Technical Assistance Consulting Services for Massachusetts Water Resources Authority
Boston, Massachusetts

Dewberry evaluated several critical facilities for this regional water supply and wastewater treatment public utility authority serving eastern and central Massachusetts, including the Boston Metropolitan area. Our engineers and mitigation specialists made technical recommendations and designed solutions for mitigation of at-risk critical infrastructure. Projects included design of a lightning proofing system for the Chelsea Operations Center, which houses the MWRA emergency operations center for both water supply and wastewater systems, as well as the systems' computerized GIS, billing, and operational networks.

Dewberry also design generator installation to support water quality monitoring for a drinking water reservoir, wind shutter installation for the Deer Island Sewage Treatment Plant Operations Center, and electrical mitigation for the Quabbin Reservoir Communications Tower electrical line supporting the MA State Police communications network. Finally, we did a flood-proofing design for a communications tower building housing the tower server and other critical electronic equipment. All of these systems are critical to the operation of the regional utility as system communications redundancy is lacking: during outages, personnel must be dispatched to specific treatment plants or pumping stations to verify operational capacity. Dewberry provided all mitigation designs, costing using R.S. Means, and full Massachusetts HMGP application development support. Work included complex FEMA-required Benefit-cost analysis for four of the projects.

COST: $2 million
COMPLETION: 2012
CONTACT:
Pamela Heidell
Policy and Planning Manager, MWRA
Pamela.heidell@mwra.com
617.788.1102

RELEVANCY FEATURES:
- Infrastructure damage assessment
- Critical facility/infrastructure data and mapping
- Flood/FIRM mapping such as high water mark
- Mitigation project Cost-Benefit Analysis
- GIS queries such as what locations are within a specific area
- Spatial database development
- Non-spatial database development
- Hazard/risk analysis
- Loss projections
Louisa County Public Schools Earthquake Recovery Efforts

Louisa County, Virginia

A 5.8 magnitude earthquake hit Louisa County on August 23, 2011, causing significant damage and resulting in the closure of the Louisa County High School (LCHS) and Thomas Jefferson Elementary School (TJES). Louisa County, which had a tight deadline to submit damage assessment information in an effort to receive federal disaster recovery assistance from FEMA, called on Dewberry for help.

Dewberry mobilized a full-service team of professionals from four offices to perform field investigations and develop a comprehensive earthquake damage building and utility assessment report. Supporting Dewberry’s team on the ground were professionals from the emergency management and disaster mitigation practice, who were integral in working hand-in-hand with the Virginia Department of Emergency Management (VDEM) during the report development. Thanks in large part to Dewberry’s efforts, Louisa County was able to obtain a major disaster declaration from FEMA and is now poised to receive significant federal funding that will go a long way towards the repair or reconstruction of these schools.

Dewberry also mobilized a full-service engineering team to help with the planning, design, and construction of a modular high school facility to temporarily house displaced LCHS students. Dewberry worked closely with school staff on site selection, the selection of a modular classroom vendor, and the development of utilities and engineering plans for rapid approvals. Thanks to the team’s collaborative efforts, Louisa County opened the modular high school less than six months after the earthquake.

COST: $300,000

COMPLETION: 2012

CONTACT:
Dale Mullen
County Attorney, Louisa County
dmullen@lousia.org
540.967.4591

RELEVANCY FEATURES:

- Infrastructure damage assessment
- Residential and business damage loss estimations
- Critical facility/infrastructure data and mapping
- Mitigation project Cost-Benefit Analysis
- EM-customized data sets of local resources
- Demographic and economic analysis for impacted areas
- GIS queries such as what locations are within a specific area
- Imagery layering
- Spatial database development
- Non-spatial database development
- Hazard/risk analysis
- Loss projections
- Capability to mobilize
- Ability to expand and contract resources
Nationwide Infrastructure Support Services Technical Assistance Contract
Nationwide, United States

Under an open-end A/E technical assistance contract, Dewberry did on-call field assessments, engineering evaluations inspections, cost estimates, mitigation project evaluation, environmental services, and design services in the wake of natural and man-made disasters, including acts of terrorism, on behalf of Department of Homeland Security (DHS) to all States in the United States and US possessions in the Caribbean and Pacific. The work entails the rapid mobilization, often within 24 hours, of up to 100 engineers and technicians to perform physical inspections of damaged or destroyed facilities, such as housing, electric utilities, water and sewage treatment facilities, roads, bridges, and other infrastructure. Sixteen significant deployments have been performed concurrently.

On eight consecutive contracts, Dewberry has successfully responded to more than 350 disaster declarations for natural and man-made disasters in all FEMA regions in support of FEMA’s Public Assistance program. Within the joint venture team (Dewberry and URS), we routinely meet surge requirements using a Project Management System that lets us concurrently manage more than 100 task orders in multiple locations and regularly report to FEMA. We also maintain a surge response cadre of background-checked people from diverse professional disciplines to support our in-house staff.

Dewberry also worked in the field to inspect, assess, prepare cost estimates, and design restoration of damaged public infrastructure nationwide. Work has involved remedial design services on high-voltage electrical distribution systems, inspection of bridge structure and subway tunnels, inspection of damage

COST: $220,095,000
COMPLETION: Ongoing
CONTACT: Eddie Murphy Contracting Officer, FEMA 202.646.2948

RELEVANCY FEATURES:
- Fulfilling real-time incident map requests to support response information needs
- Search and rescue mapping
- Infrastructure damage assessment
- Debris clearance and management operations mapping
- Critical facility/infrastructure data and mapping
- Wildfire suppression mapping
- Flood/FIRM mapping such as high water mark
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- Capability to mobilize
- Ability to expand and contract resources
to urban forests, site preparation for new housing, debris removal contract management, and condition assessments of hundreds of low- to mid-rise structures. Field inspectors are typically debris specialists, architects, structural engineers, mechanical and electrical engineers, sanitary engineers, civil engineers, and environmental specialists as needed for particular assignments.

Dewberry has also helped DHS and State and local governments in the preparation of emergency plans, especially for recovery from locally catastrophic disasters that caused extreme loss of infrastructure, public facilities, housing, and commercial activities.

**Training, Policy, and Publication Development.** Led a detailed evaluation of 406 Hazard Mitigation efforts by researching 5,000+ FEMA project worksheets from 57 declared disasters nationwide to document extent of mitigation activity in Public Assistance Program.

**Environmental Compliance (NEPA).** Prepared over 500 NEPA, NHPA, ESA, and other regulatory studies in over 30 States and territories. Most recently during Katrina, our team deployed one of the largest groups of historic preservationists, architectural historians, archeologists, and cultural resources specialists to the Gulf Coast to ensure that Secretary of the Interior’s Section 106 and NEPA compliance occurred during recovery.

**Planning and Reconstruction Activity Support.** Following Hurricane Fran, Dewberry led the first 404/406 mitigation program integration effort linking PA efforts with FEMA’s other mitigation programs. Dewberry also facilitated a multi-agency task force that implemented a basin-wide mitigation plan to address watershed recovery and prevent damage in rain events that followed the Arizona fires.

**GIS Technology.** To streamline interagency coordination, Dewberry hosted an interactive GIS web-based application for the California Wildfires that displayed and analyzed Burned Area Emergency Response (BAER) reports, GIS-based hazard awareness maps, and agency-specific recommended burn area remediation treatments. Dewberry also staffed ROCs in Region IV prior to Hurricane landfalls in a proactive effort to streamline preliminary damage assessments and marshal resources to expedite recovery efforts.

**Coastal Disasters.** Provided coastal engineering services to determine storm-induced structural damage and beach erosion losses from every major Atlantic and Gulf Coast storm since 1984, including analysis of storm frequency parameters, NWS climatology data, and hydrodynamic wave models. Assessed damage for and developed scope of work for repair and replacement of coastal engineering facilities.

**GPS/GIS Inventories.** Dewberry used state-of-the-art GPS/GIS technology to inventory 8,200 flooded buildings in Texas, Florida, Georgia, and Alabama to prepare color-coded maps and property inventory data sheets containing all data necessary for disaster management and disaster recovery planning.

**Recovery Planning.** Supplied comprehensive emergency response and recovery plans on behalf of DHS to several local communities for the recovery of entire communities devastated by tornadoes or other natural disasters. Recovery plans included transportation facilities, utilities and other public infrastructure, housing, business and environmental restoration components. Plans were accomplished in the context of local citizen and local elected official input and participation.

Dewberry has also helped DHS develop national guidance and strategies for emergency management and recovery planning, especially in the context of catastrophic disasters resulting from extreme weather events, technological accidents, or attacks with weapons of mass destruction.

**Catastrophic planning.** Served on the Southern California catastrophic earthquake task force and facilitated development of a basic emergency management plan and annexes for the southern Louisiana catastrophic hurricane planning effort. Currently supporting FEMA HQ in the development of policies, plans, and procedures for ESF #14, long-term community recovery and mitigation.

**Programmatic and policy support.** Assisted in development of FEMA’s public assistance policy digest, the public assistance guide, the public assistance applicant handbook, the debris management guide, the debris operations job aid, and the cost estimating format.
**Mobilization.** Dewberry uses a web-based system that holds staff qualifications, experience, and training. The system also records deployments and gives technical information to the staff in the field. Go-kits are pre-established with administrative and technical guidance as well as job aides. Transportation is arranged through a travel agent who is experienced and specializes in disaster deployments. They have been responsible for deploying over 200 people a day. Dewberry’s established task manager system has been used successfully in response to over 250 disasters. At any given time 10 or more task orders are open and operating concurrently at varying levels.
New Jersey Substantial Damage Estimation
Statewide, New Jersey

Substantial Damage Estimation: In the wake of Superstorm Sandy, Dewberry is furnishing technical assistance to five communities in coastal New Jersey to help them make Substantial Damage Determinations. Dewberry has fourteen teams using FEMA’s Substantial Damage Estimator Tool to inspect 7,000 residential and non-residential structures in Ocean, Middlesex, Monmouth, and Cape May Counties. Specifically, our inspectors are evaluating the damage to each building using 12 general construction categories (e.g., plumbing, foundations, appliances, etc.) and recording the information in the field using Panasonic Toughbooks. Field data entry is a time and money saver that Dewberry has introduced to the process along with an innovative workload and route planning approach. The results of our evaluations will be given to each community to be used as a basis for making substantial damage determinations.

COST: $4,000,000
COMPLETION: 2013

CONTACT:
Gina White
Management and Program Analysis Officer
FEMA
202.646.3906

RELEVANCY FEATURES:
- Fulfilling real-time incident map requests to support response information needs
- Infrastructure damage assessment
- Residential and business damage loss estimations
- Flood/FIRM mapping such as high water mark
- EM-customized data sets of local resources
- GIS queries such as what locations are within a specific area
- Spatial database development
- Non-spatial database development
- Capability to mobilize
- Ability to expand and contract resources
Scenario Development for Catastrophic Planning Exercise – Hurricane Phoenix

Tampa Bay, Florida

To help the emergency management communities within the greater Tampa Bay Area prepare for a catastrophic disaster, the Tampa Bay Regional Planning Council (TBRPC) needed to simulate a major hurricane with characteristics similar to Hurricane Katrina devastating the local landscape.

The goal of the strategy was to identify and resolve local and regional response and recovery challenges. Dewberry created and modeled a catastrophic scenario to help communicate the disaster risk more effectively by approximating some of the common physical impacts and economic losses related to surge and high-hazard wind events. These results were incorporated into the regional planning exercise, known as Hurricane Phoenix.

Project Highlights:

- Incorporated recently collected topographic data to create a custom SLOSH (Sea, Lake, and Overland Surge from Hurricanes) model.
- The results of the model were imported as an input to Hazus®MH MR4 Flood (Coastal) Module.
- Hazus®MH MR4 was used to model coastal flood hazard based on the hypothetical storm scenario and later combined with HAZUS- create wind results to estimate damage losses.
- GIS layers, maps, and data were provided to TBRPC to include in visualizations for the scenario-based planning activities.

COST: $15,000

COMPLETION: 2010

CONTACT:
Betti Johnson
Principal Planner, TBRPC
betti@tbrpc.org
727.570.5151

RELEVANCY FEATURES:

- Fulfilling real-time incident map requests to support response information needs
- Infrastructure damage assessment
- Residential and business damage loss estimations
- Critical facility/infrastructure data and mapping
- Flood/FIRM mapping such as high water mark
- EM-customized data sets of local resources
- Demographic and economic analysis for impacted areas
- Disaster drill and exercise development
- GIS queries such as what locations are within a specific area
- Spatial database development
- Hazard/risk analysis
- Ability to expand and contract resources
KEY PERSONNEL

Dewberry people exemplify our “client first” motto in everything we do. We work to build strong relationships with our clients to deliver products that meet or surpass their expectations. For the Geographic Information System Support Services for Emergency Management project, the Sumter County will find that the proposed personnel bring superior qualifications to accomplish the project work.

We can mobilize our key personnel geospatial support staff immediately upon award and can meet the requests of Sumter County from onsite support to application development.

Dewberry offers a broad spectrum of qualified geospatial and emergency management subject matter experts supported by the latest tools and technology to produce creative solutions for current and future geospatial projects. With 20+ years of experience providing all the services required specifically on related projects for FEMA and local/State clients, we understand how to do emergency management geospatial support and know how to get work done right the first time. Dewberry key personnel include:

- Experienced staff who have worked on similar contracts for the past 16 years responding to more than 130 disasters in all FEMA regions.
- Experienced geospatial specialists with participation on the Department of Homeland Security Geospatial Concept of Operations, emergency management leaders, and dozens of recognized technical experts to give Sumter County new ideas and technical innovations.
- Experienced planners who provided mitigation services to dozens of local, State, and Federal agencies and private companies worldwide.
- Six staff that are HAZUS Trained Professionals and HAZUS Practitioners, with two more staff awaiting final certification from FEMA.

Table 1: Key Personnel

<table>
<thead>
<tr>
<th>Name</th>
<th>Education:</th>
<th>Registrations:</th>
<th>Experience Highlights:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Christopher Zambito, GISP, CFM Project Manager</td>
<td>● BS, Business Administration &amp; Mgmt Info Systems and Marketing</td>
<td>● GISCI Certified Geographic Information Systems Professional</td>
<td>● Led a team to update the FEMA flood hazard risk maps for Sumter County. Worked with Sumter County GIS to assess parcels that may be impacted by the map update effort.</td>
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<td></td>
<td>● Graduate Certificate, Geographic Information Specialist</td>
<td>● Certified Floodplain Manager</td>
<td>● Used public outreach to help stakeholders and community officials understand the impacts of the newer flood risk information.</td>
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<tr>
<td></td>
<td>● GISCI Certified Geographic Information Systems Professional</td>
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<td>● Led a group of local, State, and Federal stakeholders to create a comprehensive outreach program for Hillsborough County, FL, that is now used by many communities across the nation.</td>
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<td>● Certified Floodplain Manager</td>
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<td>● Performed geospatial QA/QC for the flood maps and performed spatial analysis of impacted areas for targeted outreach for Hillsborough County, FL.</td>
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<tr>
<td></td>
<td>● HAZUS Trained Professional</td>
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<td>● Prepared new Digital Flood Insurance Rate Maps (DFIRMs) and Flood Insurance Study (FIS) reports for Hillsborough County, FL.</td>
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<td>● HAZUS Practitioner</td>
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<td>● Awarded the James Lee Witt Local Award for Excellence (as part of Hillsborough County’s Team) for Exemplary Outreach for Citizen Awareness of Flood Risk and Preparations for Flood Map Modernization.</td>
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<td>● Task Manager for the NC-Western Region, Community Emergency Management Snapshots contract. Project entailed working directly with 35 communities and various staff within the emergency management, community planning, and GIS disciplines to create customized reports and digital tools.</td>
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</table>
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<th>Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catherine Bohn, GISP, CFM</td>
<td>Technical Advisor</td>
<td>Education: MS, Geographical and Cartographic Sciences, BA, Geography</td>
<td>Registrations: Certified Floodplain Manager, Geographic Information Systems</td>
<td>18 Years of Experience</td>
</tr>
<tr>
<td>Storm Kazmierczak, PE</td>
<td>Geospatial Analyst</td>
<td>Education: BS, Civil Engineering, Professional Engineer (FL)</td>
<td></td>
<td>11 Years of Experience</td>
</tr>
<tr>
<td>Lauren Hand</td>
<td>Geospatial Analyst</td>
<td>Education: MS, Geography, BS, Environmental Science</td>
<td></td>
<td>5 Years of Experience</td>
</tr>
<tr>
<td>Rey Malave, PE</td>
<td>Geospatial Analyst</td>
<td>Education: BS, Civil Engineering, MBA, Professional Engineer (FL, PR)</td>
<td></td>
<td>36 Years of Experience</td>
</tr>
</tbody>
</table>

**Experience Highlights:**

- 18 years of GIS experience including using geospatial technologies for analysis, application development, assisting managers in responding to disaster events.
- Project manager responsible for working with the DHS Geospatial Management Office (GMO) to developing GeoConOps guidance used as a single reference source for the DHS geospatial community, outlining key capabilities, information requirements, mission overviews, and a list of available mission incident data.
- Task manager for the Public Assistance Program Technical Assistance Contract (PATAC) where she was responsible for providing post-disaster services for multiple events.
- Led the field survey planning and execution for the PATAC contract using a customized GIS application and GPS to estimate debris for FEMA. She also directed onsite GIS support to FEMA field offices and Regional Operations Centers during five federally declared disasters including Hurricanes Charley, Ivan, Katrina, and Rita, including coordinating resources, managing onsite geospatial staff, and coordinating data sharing processes.
- Experienced in the full lifecycle of GIS projects, from initial conception through design, prototyping, testing, implementation, training, and maintenance, using the latest in ESRI software and technology including: ArcGIS, ArcSDE, and ArcGIS Server.
- Responsible for the application development of Disaster Assistance Response and Recovery Technology (DARRT), a tool to estimate debris removal and track debris clearance and an ArcIMS application to track resources that integrates with WebEOC.

- County Engineer for the Sumter County Development Review Committee (DRC) reviewing development plans and submitting them through the County’s review process for site conditions and other engineering considerations, general layout, traffic circulation, drainage provisions, other code requirements, and for good engineering design.
- Conducted site inspections of development project improvements for conformance with approved engineering plans and specifications before turnover to Sumter County.
- Knowledge of permitting requirements for several Florida agencies.
- Board member for the City of DeLand Historic Preservation.

- GIS Support for the Southeast Virginia/Northeast North Carolina Catastrophic Planning contract for the Virginia Department of Emergency Management. Contract included the development of a regional mass evacuation framework for three scenarios: Category 3 hurricane, aerosolized anthrax, and multiple improvised explosive device (IED) detonations.
- Developed an evacuation model and risk profiles to be incorporated into the national HURREVAC database.
- Supported the Federal Emergency Management Agency's National Hurricane Program (FEMA) and the U.S. Army Corps of Engineers (USACE) with the development of Hurricane Evacuation Studies (HES) and other hurricane planning and preparedness activities.
- Developed a method to display the wealth of data created when an HES is completed and make it interactive for the non-GIS user.

- Principal-In-Charge for the Sumter County Continuing Education Engineering Services contract. The contract includes review of project development plans submitted through the County's development review process for site conditions and other engineering
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<tr>
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<tbody>
<tr>
<td>Georgina Blumel, GISP</td>
<td>GeoSpatial Analyst</td>
<td>- Conducts inspections of project improvements for Sumter County and performs turnover inspections before acceptance.</td>
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<td>- Serves as a non-voting member of the Sumter County Development Review Committee.</td>
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<td>- Over 36 years experience in civil engineering design, and a diversified background in the design and permitting of infrastructure systems.</td>
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<td>- Areas of expertise include stormwater management systems, water treatment and wastewater treatment facilities, effluent disposal systems, sanitary sewage collection systems, mass grading of sites, and golf courses.</td>
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<td></td>
<td>- Extensive knowledge of permitting requirements and good rapport with most Florida permitting agencies.</td>
</tr>
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</table>

**Experience Highlights:**

- Conducts inspections of project improvements for Sumter County and performs turnover inspections before acceptance.
- Serves as a non-voting member of the Sumter County Development Review Committee.
- Over 36 years experience in civil engineering design, and a diversified background in the design and permitting of infrastructure systems.
- Areas of expertise include stormwater management systems, water treatment and wastewater treatment facilities, effluent disposal systems, sanitary sewage collection systems, mass grading of sites, and golf courses.
- Extensive knowledge of permitting requirements and good rapport with most Florida permitting agencies.

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<td>- Photo Interpreter for the Southwest Florida Water Management District, “SW Florida Seagrass Mapping” contract where he did fieldwork, GPS survey, photogrammetric photo interpretation, trend analysis, and GIS data development for benthic habitats within Estero Bay and other southwest Florida estuaries.</td>
</tr>
<tr>
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<td>- Production lead for the Indian River Lagoon Seagrass contract for St. Johns River Water Management District where he was responsible for performing change analysis, and GIS data development for benthic habitats within the Indian River Lagoon, Florida.</td>
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<td>- Highly experienced in the use of GPS equipment coupled with ArcGIS; both of which are used for the field documentation of aerial photography signatures.</td>
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<td>- Received formal training in natural resource and environmental sciences including dendrology, botany, wetlands, land management, and soils.</td>
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**Experience Highlights:**

- Photo Interpreter for the Southwest Florida Water Management District, “SW Florida Seagrass Mapping” contract where he did fieldwork, GPS survey, photogrammetric photo interpretation, trend analysis, and GIS data development for benthic habitats within Estero Bay and other southwest Florida estuaries.
- Production lead for the Indian River Lagoon Seagrass contract for St. Johns River Water Management District where he was responsible for performing change analysis, and GIS data development for benthic habitats within the Indian River Lagoon, Florida.
- Highly experienced in the use of GPS equipment coupled with ArcGIS; both of which are used for the field documentation of aerial photography signatures.
- Received formal training in natural resource and environmental sciences including dendrology, botany, wetlands, land management, and soils.

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<tbody>
<tr>
<td>Jonathan Stewart</td>
<td>Emergency Management Specialist</td>
<td>- 14 years experience in training exercises, and program assessment including as design lead and Exercise Director for a variety of HSEEP exercises that tested and validated plans, including:</td>
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<td>- Mid-American Regional Council Perfect Storm 2010</td>
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<td>- Santa Clara Mass Care and Sheltering Tabletop Exercise 2011</td>
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**Experience Highlights:**

- 14 years experience in training exercises, and program assessment including as design lead and Exercise Director for a variety of HSEEP exercises that tested and validated plans, including:
  - Mid-American Regional Council Perfect Storm 2010
  - Santa Clara Mass Care and Sheltering Tabletop Exercise 2011
Table 1: Key Personnel

- Carrie Speranza, CFM, PEM
  - **Emergency Management Specialist**
  - **Experience Highlights:**
    - Served in various leadership roles for the Emergency Operations Plan contract with Fairfax County. Responsibilities included a variety of pre-disaster planning and training services, post-disaster response assessments, general emergency management, and continuity of operations planning (COOP) services.
    - Task lead for the Hampton Roads Shelter and Evacuation Gap Planning project that consisted of the development of an improvement plan to include corrective actions for State and local agencies.
    - Served as the Project Manager and Task Lead for the Disaster Mitigation Act of 2000 (DMA2K), Compliance Mitigation Plans. Responsible for plan writing and outreach support, including hazard identification and risk assessment, mitigation strategy and alternatives development, capabilities assessment, and coordination of the plan with local and State mitigation committee and community officials.
    - Has been involved in numerous aspects of emergency management including post disaster assessments, mitigation planning, response, and long-term recovery planning, and is knowledgeable of FEMA Public Assistance.
    - Specialties include evacuation planning and mitigation planning.

- John Squerciati, PE, CFM
  - **Emergency Management Specialist**
  - **Experience Highlights:**
    - Nationally respected structural engineer; expert reviewer for thousands of hazard mitigation grant program applications addressing flood, earthquake, tornado, coastal, and human-caused hazards.
    - National FEMA BCA expert, instructor, and manager of FEMA BCA Helpline tech support task order.
    - Served as structural mitigation expert in dozens of Joint Field Offices evaluating damage, building code compliance, developing mitigation programs and post-disaster recovery training.

Following this page are further details on our proposed key personnel.
R. Chris Zambito  GISP, CFM

Project Manager

Mr. Zambito joined Dewberry in 2008 and has worked as a senior planner for Hillsborough County, FL (1+ million residents) for the past 10 years specializing in hazard mitigation and emergency management practices. He has performed risk assessments and hazard identification as well as managed many programs, such as the Local Mitigation Strategy, Community Rating System, and Critical Facility Inventory. He has led these programs to the multi-million dollar benefit of local government and residents. Mr. Zambito brings expertise in the development of local risk assessment plans and outreach strategies with a focus on reaching consensus with local, State, and Federal stakeholders to achieve a common goal.

RELEVANT EXPERIENCE

Sumter County, FL. Flood Map Modernization, Project Manager.
Led a team to update the FEMA flood hazard risk maps for Sumter County. The project included working closely with staff from Sumter County, the Water Management District, and engineering firms within The Villages to ensure the most current topographic, engineering, and FEMA map amendments could be used to update the maps where better information could be incorporated. Dewberry also worked with Sumter County GIS to assess parcels that may be affected by the map update. Lastly, Dewberry conducted public outreach to stakeholders and community officials to help them understand the impacts of the newer flood risk information.

Led a group of local, State, and Federal stakeholders to create a comprehensive outreach program that is now used by many communities across the nation. Also performed geospatial QA/QC for the flood maps and performed spatial analysis of affected areas for targeted outreach. Preparation of new Digital Flood Insurance Rate Maps (DFIRM) and Flood Insurance Study (FIS) report for Hillsborough County, Florida. Performed engineering reviews on these SWMM files and incorporated the results of the SWMM files on the DFIRM panels and in the FIS report. Also took the flood profiles generated SWMM files for the county’s 17 watersheds and developed 100-year floodway files which were then depicted in the Floodway Data Tables in the FIS report and on the DFIRM panels. This project results in a digital mapping product for the county in addition to DFIRMs.

NC-Western Region - Community Emergency Management Snapshots (WR-CEMS), North Carolina Division of Emergency Management, Task Manager. Currently, Mr. Zambito is the project manager for the development of
Geographic Information System Support Services for Emergency Management

R. Chris Zambito
GISP, CFM
Project Manager

emergency management materials for the Western Branch of North Carolina’s Division of Emergency Management (34 Counties and the Eastern Band of Cherokee Indians). This project is intended to deliver a schematic of the communities’ Emergency Operations Plan and Hazard Mitigation Plan for outside agencies coming in to support local counties in recovery operations. This entails working directly with the 35 communities and various staff within the emergency management, community planning, and GIS disciplines to create customized reports and digital tools.

FEMA National Flood Insurance Program’s (NFIP) Community Rating System (CRS), Federal Emergency Management Agency. As a fixture within the floodplain management community, Dewberry has performed a multitude of services for local, State, and national clients. Among these services is the ability to help communities develop application and recertification packages for the NFIP’s Community Rating System, which recognizes and rewards those governments that go above minimum flood protection compliance standards.

North Carolina Cooperating Technical State Flood Mapping Program (2009-2014), North Carolina Division of Emergency Management, Statewide, NC, Task Manager. Responsible for managing the hazard mitigation elements through year 2014 of a pilot project for the State of North Carolina and FEMA including work group communication and coordination, documenting data and processes needed for an automated planning tool, documenting current practices and risk assessment techniques, implementing cost-benefit approaches and strategies, and helping four pilot counties implement new tools and processes for updating hazard mitigation plans.
Catherine Bohn, GISP, CFM
Technical Advisor

Ms. Bohn’s 18 years of GIS experience includes using geospatial technologies for analysis, application development, and helping managers respond to disasters. She has provided on-site GIS support to FEMA, State, and local governments and has extensive experience with database design, web mapping application development, GIS analysis, GIS needs assessments, GIS field data collection, and training. Ms. Bohn is experienced in the full lifecycle of GIS projects, from initial conception through design, prototyping, testing, implementation, training, and maintenance, using the latest in ESRI software and technology including ArcGIS, ArcSDE, and ArcGIS Server. She is responsible for the application development of Disaster Assistance Response and Recovery Technology (DARRT), a tool to estimate debris removal and track debris clearance, and an ArcIMS application to track resources that integrates with WebEOC.

RELEVANT EXPERIENCE

Hazard Mitigation Technical Assistance Contract, Nationwide. (8/09 – present)
Ms. Bohn serves as the geospatial lead for the HMTAP contract. Tasks include documenting the analysis of the Hazard Mitigation Analysis grant database using geospatial technologies and managing the data collection of over 27,000 substantial damage estimates. Manages the onsite geospatial support for Hurricane Katrina historic preservation recovery efforts in Louisiana.

Geospatial Concept of Operations (GeoCONOPS), DHS, Nationwide. (9/08 – 6/12) Dewberry project manager responsible for working with the DHS Geospatial Management Office (GMO) to developing GeoConOps guidance that are used as a single reference source for the DHS geospatial community, outlining key capabilities, information requirements, mission overviews, and a list of available mission incident data. Tasks include interviewing key stakeholders, documenting processes, offering input at stakeholder meetings, and bestowing insight on the Public Assistance, Mitigation, and Individual Assistance program areas.

Public Assistance Program Technical Assistance Contract (PATAC), FEMA, Nationwide. (11/02 - Present) As a Task Manager for this joint venture contract, Ms. Bohn has been responsible for post-disaster services for multiple events. Most recently, she led field surveys using the Debris Estimator in ten New Jersey counties following Hurricane Sandy. She led the field survey planning and execution, using a customized GIS application and GPS to give debris estimates to FEMA. Previously, she directed onsite GIS support to FEMA field offices and Regional Operations Centers during five federally declared disasters including Hurricanes Charley, Ivan, Katrina, and Rita, including coordinating resources, managing onsite geospatial staff, and coordinating data sharing processes.
Geospatial Products and Services Contract (GPSC), USGS, Nationwide.
Emergency Response Team Leader on this contract responsible for supporting the Project Manager during emergency operations. She participated in the 2011 Minot, ND, flood response; 2008 Iowa flooding response; and the 2009 Desktop Emergency Response Readiness Exercise for the USGS.
Storm Kazmierczak PE
Geospatial Analyst

Storm Kazmierczak, Project Designer, serves as County Engineer for the Sumter County Development Review Committee (DRC) reviewing development plans and inspecting sites. Her responsibilities include drainage designs, site plans, stormwater calculations, and sewer systems grading. Storm knows the permitting requirements of several Florida agencies.

SELECTED EXPERIENCE

Sumter County Engineering Services, Review Engineer. As County Engineer for DRC, our services include review of development project plans submitted through the County’s review process for site conditions and other engineering considerations, general layout, traffic circulation, drainage provisions, and other code requirements, and for good engineering design. Other services include conducting site inspections of development project improvements for conformance with approved engineering plans and specifications before turnover to the County.

Crystal Cove, DeLand, Florida. A subdivision located in DeLand, with major drainage issues. A recently constructed subdivision at the time, the primary stormwater pond was overwhelmed by a large volume of off-site water and higher than anticipated groundwater elevations. A pond control system was devised to control the elevation of the primary stormwater pond that maximizes the pond’s stormwater storage capacity. For this existing subdivision, the solution needed to work around homes and improvements with little or no impact. The system was approved by St. Johns River Water Management District.

Northridge, Volusia County. Located north of DeLand, this partially constructed subdivision’s stormwater pond overflowed into an adjacent existing subdivision. Our firm was brought in to analyze the stormwater system and recommend solutions. The stormwater system, comprising three stormwater ponds, was modeled as if it were actually a single pond. Our team reviewed the conditions on the site and researched the existing stormwater model and calculations. Based on our research the site was remodeled, and several different options were developed for working around the existing homes and improvements.

Saddlebrook, DeLand, Project Designer. 322-unit subdivision site’s rezoning involved controversy due to required extensive coordination to satisfy the City Commission and adjacent property owners. Responsibilities included stormwater and utility design permit coordination with the St. Johns River Water Management District, City of DeLand, and the Department of Environmental Protection water and sewer.
Ms. Hand is a geographer and emergency management specialist for Dewberry’s Hurricane Preparedness Team. Her work embraces a complete range of planning, technical assistance, and support to Federal, State and local governments in the field of hurricanes, tropical cyclones, and emergency management. Ms. Hand has supported the U.S. Army Corps of Engineers and FEMA in the development and modernization of the National Hurricane Program’s CHEMS, to give decision makers at all levels of government the information and tools to help them prepare for, mitigate against, respond to, and recover from disasters of all types.

Ms. Hand is responsible for conducting the vulnerability analyses for the coastal areas of Alabama, Mississippi, Georgia and South Carolina to assess the populations, facilities, and areas vulnerable to the effects of hurricanes and tropical storms. She is responsible for the development of interactive GeoPDF’s including storm surge inundation areas, evacuation zones, critical facilities, and demographic data.

Her specialties include GIS analysis, database management, technical writing, and data collection. She has contributed her technical skills in the production of Hurricane Evacuation Studies (HES), Post Storm Assessments (PSA), and hazard mitigation plan projects throughout the Southeast U.S.

**SELECTED EXPERIENCE**

**Southeast Virginia/Northeast North Carolina Catastrophic Planning, Virginia Department of Emergency Management, VA. GIS Support.** Dewberry, teamed with Atkins, was selected for two sequential phases of the Hampton Roads Regional Catastrophic Preparedness project, which conducted catastrophic disaster planning for 24 jurisdictions in southeast Virginia and northeast North Carolina. During the first phase of the project, Dewberry developed a regional mass evacuation framework for three scenarios: Category 3 hurricane, aerosolized anthrax, and multiple improvised explosive device (IED) detonations. Among other factors, the plan considers transportation-dependent populations, existing Virginia Department of Transportation capabilities for real-time response, and sheltering needs of displaced populations. As a result of the study, Dewberry developed an evacuation model and risk profiles to be incorporated into the national HURREVAC database. During the second phase of the project, Dewberry was tasked with more refined evacuation analysis, shelter capacity, staffing analysis and shelter database, mass care feeding and logistics requirements, a gap analysis with work plans to close identified gaps, and a regional catastrophic preparedness and response framework including annexes for types of catastrophic incidents and support to those incidents.
Rey Malave PE
Geospatial Analyst

Rey Malave, Senior Associate, has over 36 years experience in civil engineering design, and a diversified background in the design and permitting of infrastructure systems. His areas of expertise include stormwater management systems, water treatment and wastewater treatment facilities, effluent disposal systems, sanitary sewage collection systems, mass grading of sites, and golf courses. Rey has extensive knowledge of permitting requirements and has developed a rapport with most Florida permitting agencies.

SELECTED EXPERIENCE

Sumter County Continuing Engineering Services, Principal-in-Charge. This contract includes review of project development plans submitted through the County’s development review process for site conditions and other engineering considerations, general layout, traffic circulation, drainage provisions, and other code requirements, and for good engineering design. Services include conducting inspections of project improvements, serving as a non-voting member of the County Development Review Committee, and performing turnover inspections prior to acceptance.

Dodd Road Utility Relocation, Seminole County, Florida, Project Manager. The Dodd Road Utility Relocation project in Seminole County, from Howell Branch Road to Red Bug Lake Road, consisted of relocating existing utilities for a four-lane divided urban roadway improvement including a new bridge over Howell Creek. The design of relocating the existing utilities, consisted of 24” DIP water main with numerous existing services, and an existing 6”, 8”, 12” and 16” PVC force main. Full survey services, preliminary engineering, final design, and permitting were performed, including coordination on the crossing of an existing 42” force main at an intersection. Bidding and construction services were provided.

Drainage Improvement Study and Design, City of Deltona, Principal-in-Charge. We prepared a drainage study for two of its existing neighborhoods experiencing flooding problems. The project was located along Arrendonda Drive and the other along Adler Drive near Fort Smith Boulevard. Our services included field reviews, preliminary drainage analysis, topographic survey, final drainage study, preparation of drainage improvement plans and permitting and approval of all development and construction activities.

Econlockhatchee Trail Utility Design, Vista East Improvement Corp, Principal-in-Charge. The Econ Trail Utility Design was located along two miles of the Trail, within the City of Orlando and Orange County. The design and construction included new utilities to service the area. These new utilities were
designed and bid as part of the roadway project. The project provided for capacity as determined within the approved OCU Master Plan for this area. A master lift station, which included a large triplex pump station with on-site generator, was part of the project. Our services included Preliminary Engineering, Design Services, Permitting and Construction Administration.
Ms. Blumel is a Dewberry Senior Geospatial Analyst with 8+ years experience in the GIS and Remote Sensing field. She has created digital geospatial maps and products from the analysis of 3D satellite imagery using SOCET Set and ArcGIS software for the National Geospatial-Intelligence Agency. Ms. Blumel has collected hydrographic data from aerial photographs in ArcMAP for DFIRM. Ms. Blumel has experience with PLTS for ArcGIS, Dynamo, and GeoFIRM tools. Her software skills include ArcInfo, ArcView, ArcCatalog, and other ESRI platforms including PLTS, GIS Data ReViewer, Socet Set, IDDS, UNIX, Microstation, and StarOffice. Georgina is proficient in geodatabase management.

**RELEVANT EXPERIENCE**

**FEMA Risk MAP Production & Technical Services (PTS), Federal Emergency Management Agency, Nationwide.**
Photogrammetry/LiDARgrammetry Specialist. Responsible for the collection of geographic data in support of Digital Flood Insurance Rate Map (DFIRM) production at Dewberry’s Tampa office. one of the largest flood mapping programs in the US, providing program management, production and technical services to include flood insurance studies, DFIRM and LOMC production, coastal/riverine H&H; hazard risk assessment and mitigation production, outreach, and post-preliminary processing and evaluation services. Developed award winning “GeoFIRM” to support engineering, GIS, and DFIRM mapping.

**Florida Coastal LiDAR Mapping, Orthophotography and SLOSH modeling, Florida Division of Emergency Management, Panhandle and Atlantic Coasts, FL.** Photogrammetry/LiDARgrammetry Specialist. Responsible for compiling detailed 3D breakline data using LiDAR imagery to provide updated coastal mapping, and storm surge modeling to eventually improve evacuation routing for the Florida Division of Emergency Management (FDEM). The FDEM contract requires digital orthophotos, LAS-classified LIDAR data, eight types of break lines, 1-ft contours, metadata and detailed technical reports to Florida’s Minimum Technical Standards (MTS), signed and sealed by a Florida Professional Surveyor and Mapper.

**Myakka River Watershed Initiative, Southwest Florida Water Management District, Brooksville, FL.** Remote Sensing Analyst Part of a professional team evaluating watershed conditions for the $5. 2-million Myakka Watershed Initiative. The objective of this initiative is to restore water quality, natural system, and floodplain impacts in the watershed in ways that can also provide a benefit to water supplies. To meet this objective responsible for developing the project approach and managing the implementation which includes collection of digital topographic information using LiDAR; assembling a terrain surface from
multiple data sources; performing a watershed evaluation including surveying an
field reconnaissance; populating a geospatial database of generic topographic,
hydrologic, and hydraulic characteristics of the watershed; performing detailed
hydrologic, hydraulic, and water quality modeling to define existing conditions;
and applying these models to investigate historic and future conditions to
evaluate impacts of alterations and potential restoration alternative.

**NOAA Geospatial Services Contract, National Oceanic & Atmospheric
Administration, SC.** Nationwide coastal geospatial services contract for 17
geospatial service lines. Traditional geospatial products include production of
LiDAR datasets of coastal areas, digital orthophotos of sub-aquatic vegetation,
and provision of QuickBird and OrbView satellite imagery. Non-traditional
services include independent QA/QC of LiDAR data produced by other NOAA
prime contractors; IFSAR validation; coastal storms needs assessment;
management of a coastal erosion workshop; provision of Integrated Ocean
Observing System (IOOS) web services; development of a tsunami hazards
visualization tool, flood response tools, and HURREVAC surge module; GIS
support for the Indian Ocean Tsunami Warning System; GIS support of the Coral
Reef Ecosystem Division; and provision of ESRI certified GIS training.

**Baltimore Co Impervious Update, Baltimore County.** The Baltimore
Impervious Surface update will utilize the 2011 imagery acquired by Baltimore
County to update the 2008 planimetric features. Specifically in urban areas.

**BC 2008 Planimetrics, Baltimore County, CADD Operator.** Providing aerial
photography, digital mapping, digital orthophotos, LiDAR, GIS consulting, design
and implementation, GIS application and database development as well as on-site
GIS support. This 10-year contract is designed to increase the use of GIS within
Baltimore County government and allow departments to provide more efficient
and timely responses to citizens.

**NGA, Global Geospatial-Intelligence Contract (GGI), National Geospatial-
Intelligence Agency.** BAE Systems serves as a prime contractor for the National
Geospatial-Intelligence Agency (NGA) and its predecessor under both the
Omnibus and GGI contract vehicles. Under this contract (GGI), BAE supplies
NGA with mapping and charting production services, production management of
subcontractors, and quality assurance/quality control services. Dewberry serves
as a subcontractor to BAE on this GGI contract.
Mr. Bubser is a Senior Photo Interpreter with more than 12 years of experience. His responsibilities primarily using ESRI’s ArcGIS software for geospatial analysis, photo interpretation of wetlands, benthic habitats and land use land cover features using photogrammetric workstations, orthophotography and GPS survey equipment. He has been responsible for conducting field trips and performing photo interpretation on many projects performed for Water Management Districts, the Fish and Wildlife Conservation Commission, National Park Service and Palm Beach County. Additional responsibilities include quality control, stereo-compilation using softcopy stereoplotters, orthophotography generation, aerial triangulation tasks, and implementing ArcGIS validation routines aimed at quality control and quality assurance. Mr. Bubser is highly experienced in the use of GPS equipment coupled with ArcGIS; both of which are used for the field documentation of aerial photography signatures. He has received formal training in natural resource and environmental sciences including dendrology, botany, wetlands, land management, and soils.

**SELECTED EXPERIENCE**


**Florida Fish and Wildlife Research Institute, “Florida Bay Benthic Habitat Mapping Project,” Photo Interpreter.** Fieldwork and photo interpretation of benthic habitats within the Florida Bay region using the SCHEME classification system. Photogrammetric processing and quality assurance.

**South Florida Water Management District, “SW Florida Seagrass Mapping,” Photo Interpreter.** Fieldwork, GPS survey, photogrammetric photo interpretation, trend analysis and GIS data development for benthic habitats within Estero Bay and other southwest Florida estuaries.

**Southwest Florida Water Management District, “Springs Coast Seagrass Mapping,” Photo Interpreter.** Fieldwork, GPS survey, photointerpretation, ortho-mosaicing, and GIS data development for benthic habitat mapping.
Daniel Bubser  
GISP  
Geospatial Analyst


Indian River Lagoon Seagrass, St. Johns River Water Management District. Senior Photo Interpreter, Production lead, QA Lead. Responsible for performing change analysis, and GIS data development for benthic habitats within the Indian River Lagoon, Florida.


Jonathan Stewart
Emergency Management Specialist

Mr. Stewart is a certified HSEEP trainer and has over ten years experience with a proven record of helping customers meet their needs in the areas of homeland security, emergency preparedness and response, training, and exercises. Jon served as Dewberry’s PM and Exercise Director for the Territory’s Earthquake and Tsunami Functional Exercise 2009. He currently serves as Dewberry’s PM for our support to the National Exercise Program, the City of Philadelphia, and our support to FEMA’s Incident Management Systems Integration Division. He has successfully led exercises for numerous clients including: the New York National Guard; Fairfax County, Virginia; State of Delaware’s Department of Public Health; Florida Regional Domestic Security Task Force; New Jersey Transit; and the Defense Threat Reduction Agency (DTRA). For over three years, Jon led the Center for National Response’s Operational Test and Evaluation Program where he designed, conducted, and evaluated full scale WMD drills and exercises on a monthly basis.

SELECTED EXPERIENCE

Continuity of Operations Planning (COOP) Planning for the Mid-America Regional Council. Kansas City, Missouri. Assisted MARC in developing viable Continuity of Operations Plans (COOP) for Platte County and the City of Raymore, and a standard COOP template for the other cities and counties in the planning region. Developed and executed a training session for the cities and counties in the planning region. The plan included the critical capabilities required at each level of government to save lives and protect the public health and well-being, protect property and preserve assets, maintain functionality, and maintain essential government operations and services.

Mid-American Regional Council - Perfect Storm 2010. Kansas City, Missouri. Program Manager and contractor lead assisting the Kansas City Region conduct an HSEEP compliant full scale and functional exercise involving the response and initial recovery from an earthquake. Assigned staff, tracked costs, and oversaw all documents and processes to ensure HSEEP compliance. Responsible for facilitating planning meetings, developing exercise documents, conducting exercise controller/evaluator training, directing the Simulation Cell, and developing the After Action Report and Improvement Plan.

Fairfax County Emergency Operations Plan (2006 - 2011), Fairfax County, Fairfax County, VA. Emergency Management Specialist, Project technical staff worked on several task orders under this open-end contract, including:

- Regional Response ’07 Functional Exercise. Exercise Director. Responsible for overseeing the development of exercise documents
Jonathan Stewart  
Emergency Management Specialist

(player’s guide, scenario brief, etc.), facilitating the final planning conference, developing and conducting controller/evaluator training, and developing the After Action Report.

- **NVRC Pet Shelter Drill.** Project Manager. Designed, conducted, and evaluated Operation: Wagging Tails 2009, a regional drill sponsored by the Fairfax County Police Department, Animal Services Division. This Homeland Security Exercise and Evaluation Program (HSEEP) complaint exercise brought together over sixty (60) participants from the Northern Virginia jurisdictions as players, observers, and controller/evaluators to test their ability to set-up, operate, and take-down a pet-friendly emergency shelter. Following the exercise, Dewberry developed a HSEEP compliant After Action Report and Improvement Plan.

**MWCOG National Capital Region’s Emergency Preparedness Exercise (Regional EOC), Metropolitan Washington Council of Governments.** Project Manager, As Program Manager, assigned staff, tracked costs, and oversaw all documents and processes to ensure HSEEP compliance. As contractor lead, was responsible for facilitating planning meetings, MSEL development, developing all exercise documents, conducting exercise controller and evaluator training, directing the Simulation Cell, and developing the After Action Report and Improvement Plan.

**Vigilant Guard New York 2009 Exercise, Lockheed Martin.** Project Manager, As Program Manager Jon assigned staff, tracked costs, and oversaw all documents and processes to ensure HSEEP compliance. As contractor lead, he was responsible for facilitating planning meetings, MSEL development, developing all exercise documents, conducting exercise controller and evaluator training, directing the Simulation Cell, and developing the After Action Report and Improvement Plan. Vigilant Guard New York ’09, the largest exercise that the State of New York has ever conducted, simulated the response to a 5.9 Richter scale earthquake hitting the Buffalo-Erie County-Niagara Falls region.

**Santa Clara County Mass Care and Shelter Plan Validation Workshops, County of Santa Clara, CA.** Exercise Coordinator. Dewberry designed, conducted, and evaluated a single, day long tabletop exercise that validated the Santa Clara County Catastrophic Earthquake Mass Care and Sheltering Plan which familiarized stakeholders with their roles and responsibilities within the plan. It provided an excellent forum for familiarizing agencies and personnel with mass care and sheltering roles and responsibilities and encouraged open discussion to build resource coordination.

**Virginia Commonwealth University, Disaster Resistant Hazard Mitigation Plan, Richmond, VA.** Terrorism and Security Section Lead. Developed multi-hazard Disaster Mitigation Act of 2000 (DMA2K)-compliant mitigation plans for VCU, including hazard identification and risk assessment, mitigation strategy and alternatives development, capability assessment, and coordination of the plan.
Carrie Speranza  CFM, PEM
Emergency Management Specialist

Ms. Speranza serves as an Emergency Management Specialist in Dewberry’s Emergency Management and Homeland Security Branch with a successful record in emergency management and homeland security preparedness and planning on the local, State, and Federal governmental levels. Ms. Speranza has been involved in numerous aspects of emergency management including: post disaster assessments, mitigation planning, response and long-term recovery planning, and is knowledgeable of FEMA Public Assistance.

RELEVANT EXPERIENCE

Emergency Operations Plan, Fairfax County, VA. Various Leadership Roles. Dewberry worked with the Fairfax County Government to provide a variety of pre-disaster planning and training services, post-disaster response assessments, general emergency management, and continuity of operations planning (COOP) services.

- **Debris Management Planning.** Supported numerous communities in developing debris management contingency plans. Assisted in identifying and evaluating temporary debris staging and reduction (TDSR) sites as well as developing comprehensive TDSR disaster operations plans. Developed the National Capital Region Resource Assessment Analysis for use by the USACE National Capital Region debris management planning initiative.

- **FluEx ‘06 Function Exercise.** Emergency Management Specialist for two-day, multi-jurisdictional pandemic influenza functional exercise. In addition to the pandemic influenza component of FluEx ‘06, the National Capital Region exercised the response to the request for the Strategic National Stockpile. The exercise was conducted in accordance with the Homeland Security Exercise and Evaluation Program guidelines.

Hampton Roads Shelter and Evacuation Gap Planning Project. Task lead on the development of improvement plan to include corrective actions for State and local agencies. Issued three Issue Papers and three Decision papers outlining the results of the first two phases of the project. Papers were presented to the governor, who adopted and implemented the recommended changes, addressing integrated planning, situational awareness, State managed shelters, and decision planning.

Disaster Mitigation Act of 2000 (DMA2K)-Compliant Mitigation Plans. Project Manager and Task Lead for the development of multi-hazard Disaster Mitigation Act of 2000 (DMA2K)-compliant mitigation plans. Responsible for plan writing and outreach support, including hazard identification and risk assessment, mitigation strategy and alternatives development, capabilities assessment, and coordination of the plan with local and State mitigation committee and community officials.
John Squerciati PE, CFM
Emergency Management Specialist

Mr. Squerciati has been leading efforts for HMTAP contracts since 1998 and is Dewberry’s lead for the Data Analysis and Tools which includes the Benefit Cost Analysis (BCA) Loss Estimation, GIS, HAZUS and IT applications groups. His background in civil engineering, with specific experience in structural analysis, foundation design, construction, and building codes and standards has been a key factor to his success leading various HMTAP assignments for more than 12 years. He has been Dewberry’s manager for multiple FEMA task orders through the firm’s HMTAP, TARC and Public Assistance contracts. Experienced in structural mitigation measures, he has reviewed thousands of hazard mitigation grant applications for mitigating riverine and coastal floods as well as other hazards.

SELECTED EXPERIENCE

Hazard Mitigation Technical Assistance Program Contract (HMTAP), Federal Emergency Management Agency, Nationwide. Mr. Squerciati has led instruction of 50 BCA training workshops in 29 States and 10 FEMA Regions, and was FEMA instructor of choice to conduct BCA training to the four HMTAP contractors for the FY2010 national technical reviews for HMA. Responsible for analyzing hazard vulnerabilities and recommending mitigation measures under the Hazard Mitigation Grant Program (HMGP) for various facilities following various floods, hurricanes and tornadoes. Provided Residential Substantial Damage Estimator (RSDE) training and/or technical assistance in response to declared flood/hurricane events in Texas, Nevada, Puerto Rico, New York and Louisiana. Senior BCA national technical reviewer for hundreds of flood, earthquake, wildfire, and other hazard mitigation project applications submitted under the Pre-Disaster Mitigation (PDM) and Hazard Mitigation Assistance (HMA) Programs every year since 2003. Provided technical support on a wide array of FEMA benefit-cost analysis tasks, and was the technical lead on the Damage Frequency Approach (DFA) module as well as an expert panel member on the wildfire module for the FEMA BCA Tool.

technical publications. Led contractor efforts to develop FEMA’s Mitigation Reconstruction Pilot Guidance for the Gulf Coast States impacted by Hurricanes Katrina, Rita and Wilma. Developed course materials and provided instruction for EMI and field workshops on retrofitting of flood-prone residential buildings (E279) and multi-hazard mitigation (E312).

**Public Assistance Technical Assistance Contract (PATAC), Federal Emergency Management Agency, Nationwide.** Led technical development of an *Earthquake Mitigation Handbook for Public Facilities* for FEMA Region X in response to the Nisqually Earthquake. Assisted with review and research of over 4,000 FEMA projects from 57 declared disasters nationwide and documented projects with 406 Hazard Mitigation. Audited, revised, and instructed a 4-day training course at EMI for field personnel in FEMA’s Public Assistance Program (E239). Course materials included instructor guides, student manuals, handouts, Power Point visuals, and interactive exercises, and a final exam.
DEWBERRY’S CAPABILITY TO MOBILIZE

Having responded to over 130 disasters since 1992, supporting all levels of government and private sector clients, we have a deep and broad understanding of the issues disasters can cause. Dewberry’s qualified geospatial analysts with emergency management support experience are available to mobilize immediately to support you.

Sumter County can rely on Dewberry for geospatial experts to meet the requirements of any task order under this effort. We’ve supported jurisdictions at every phase of an incident. We offer communities the country’s most experienced disaster response and recovery contractor backed by full geospatial support services.

FLEXIBILITY
- Surge capacity for immediate deployment
- Dynamic, nimble project management for responsiveness
- Clear communication throughout the team

DEEP CAPACITY
- Over 1,800 total personnel
- Over 100 licensed professional surveyors
- Cadre program provides immediate resources on very short notice
- Clearance and background checks

PROVEN APPROACH
- FEMA projects in response to Hurricanes Katrina and Sandy
- Excellent ratings on Federal task orders

In addition to our current, regular employees, we have additional resources available on short notice through Dewberry’s Cadre program, a team of more than 800 skilled professionals. Our Cadre includes a pool of subject matter experts, all of whom have had a background check, are available on an “if and when” basis for immediate activation. Often the Cadre associate is either a former full-time Dewberry employee or a former Federal employee, tried and trusted as a reliable resource. Other times we invite a specialist into the Cadre as we recognize the value that they bring to projects of this nature, having evaluated their qualifications, performance, and competence to be a representative of our team. Large, complex projects with multiple organizations, addressing multiple task orders, are not new to the Team, and we are prepared to leverage all of our collective experience to apply the best of all lessons learned on past projects to make this undertaking even better. We task the right people with the experience relevant to each assignment, to craft our solution specific to our clients’ needs.

Dewberry has the resources to meet the capacity and time requirements of the GIS Support Services for Emergency Management contract. Our management systems are well established and have been successfully used to manage numerous contracts of similar size, scope, and complexity. We have the ability and demonstrated experience to manage multiple complex projects in multiple States concurrently. For example, following Hurricane Katrina, we managed 3,180 staff and 30 task orders valued at more than $253.3M in multiple States simultaneously while meeting all FEMA staffing requirements, budgets, and period of performance schedules. Our team has more than the necessary resources for planned versus existing capacity, and we fully understand the need for surge staffing.

Our value, innovation, and expertise, combined with a profound knowledge of the use of geospatial technologies to support emergency management, ensure we have the capability and capacity to support Sumter County in meeting their mission needs and ultimately enhancing emergency managers’ decision making abilities.

NATIONWIDE EXPERIENCE
For 25 years, we’ve deployed thousands of personnel to deliver services for over 450 disaster declarations in 49 states and all U.S. Territories.

PROVEN CAPABILITY TO MOBILIZE
During 2005 hurricane season, Dewberry and its teaming partners accomplished the following:
- Simultaneously managed and deployed more than 650 geospatial analysts, architects, engineers, planners, analysts, and disaster specialists to Florida, Louisiana, Mississippi and Texas.
- Placed senior personnel in the FEMA’s Washington Emergency Response Center to augment agency staff working 12-hour shifts, seven days a week for the first 30 days.
- Conducted over 15,000 housing inspections daily of affected residents’ homes for 47 consecutive days after hurricanes struck.
Tab B: Required Forms/Statements
Tab B: Required Forms/Statements

FORMS/STATEMENTS

Per RFP #:012-0-2013/AT, we have provided on the following pages the required forms and statements listed in the Proposal Documents Checklist of Items Required to be Submitted form. Following this page, please find:

- Proposal Document Checklist (form);
- Exceptions or Deviations (statement);
- Proposer Certification/Addenda Acknowledgement Form (form);
- Statement of General Terms and Conditions (form);
- Statement of Contractor’s Experience and Personnel (form);
- Drug-Free Work Place Certificate (form);
- Hold Harmless Agreement (form);
- E-Verify Certification Form (form);
- Anti-Collusion Statement (form);
- Statement of Public Entity Crimes (form);
- Certificate of Insurability; and
- Statement of “No Proposals” (form).
PROPOSAL DOCUMENTS CHECKLIST OF ITEMS REQUIRED TO BE SUBMITTED

The following documents and forms in the following arrangement must accompany each proposal or alternate proposal submitted:

X ☐ Proposal Cover Page. This is to be used as the first page of the RFP. This form must be fully completed and signed by an authorized officer of the vendor.

X ☐ Proposal Document Checklist of Items Required to be Submitted (this sheet).

X ☐ A separate sheet or sheets, clearly identified and numbered, of Exceptions or Deviations from the minimum specifications, must be attached to the Proposal Form (if applicable).

X ☐ Proposer Certification / Addenda Acknowledgement Form.

X ☐ Statement of General Terms and Conditions.

X ☐ A sworn, notarized Statement of Contractor's Experience and Personnel.

X ☐ A sworn, notarized Drug Free Work Place Certificate must accompany each proposal or alternate proposal.

X ☐ Hold Harmless Agreement

X ☐ E-Verify Certification Form

X ☐ Anti-Collusion Statement

X ☐ Statement of Public Entity Crimes

X ☐ One (1) original proposal, clearly labeled "Original; three (3) printed copies of the proposal in its entirety; and one (1) electronic version not password protected of the original submitted proposal in its entirety.

X ☐ A Certificate of Insurability, acceptable to the County, shall accompany each proposal or alternate proposal, in the amounts as prescribed by State and Sumter County BOCC

- All insurance policies shall be written on companies authorized to do business in the State of Florida and satisfactory to the Sumter County BOCC. Prior to commencing services pursuant to the award of this proposal, the Contractor shall furnish to the Sumter County BOCC certificates of insurance showing the required coverage has been procured and paid for in advance. Within thirty (30) days prior to expiration, the Contractor shall provide the Sumter County BOCC with proof that required coverage has been extended.
Date: July 1, 2013

I, Phil Thiel (name), an authorized officer of Dewberry Consultants LLC (company/vendor), confirm that the above listed documents are provided in our company's proposal being submitted to Sumter County and confirm I have read and understand the RFP document in its entirety.

This document must be completed and returned with your Submittal.
EXCEPTIONS OR DEVIATIONS

Dewberry does not anticipate any exceptions or deviations to this solicitation.
PROPOSER’S CERTIFICATION

| Submit To: Sumter County Board of County Commissioners |
| SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS |
| 7375 Powell Road |
| Wildwood, Florida, 34785 |
| Phone 352-689-4400 |
| Fax 352-689-4401 |
| DUE DATE: July 1, 2013 |
| DUE TIME: 11:00 a.m. |
| TITLE: Sumter County Geographic Information System for Support Services for Emergency Management |
| VENDOR NAME: Dewberry Consultants LLC |
| PHONE NUMBER: 813.225.1325 |
| VENDOR MAILING ADDRESS: 1000 Ashley Drive, Suite 801 |
| CITY/STATE/ZIP: Tampa, FL 33602 |
| FAX NUMBER: 813.225.1385 |
| E-MAIL ADDRESS: pthiel@dewberry.com |

"I, the undersigned, certify that I have reviewed the addenda listed below (list all addenda received to date). I understand that timely commencement will be considered in award of this RFP and that cancellation of award will be considered if commencement time is not met, and that untimely commencement may be cause for termination of contract. I further certify that the services will meet or exceed the RFP requirements. I, the undersigned, declare that I have carefully examined the RFP, specifications, terms and conditions as applicable for this Request, and that I am thoroughly familiar with all provisions and the quality and type of coverage and services specified. I further declare that I have not divulged, discussed, or compared this RFP with any other Offeror and have not colluded with any Offerees or parties to an RFP whatsoever for any fraudulent purpose."

<table>
<thead>
<tr>
<th>Addendum #</th>
<th>Addendum #</th>
<th>Addendum #</th>
<th>Addendum #</th>
<th>Addendum #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clarification #1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

"I certify that this quote is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting an RFP for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this RFP and certify that I am authorized to sign this response and that the offer is in compliance with all requirements of the RFP; including but not limited to certification requirements. In conducting offers with an agency for Sumter County Board of County Commissioners (BOCC), respondent agrees that if this Proposals is accepted, the respondent will convey, sell, assign, or transfer to the Sumter County BOCC all rights, title and interest in and to all causes of action it may now or hereafter acquire under the anti-trust laws of the United States for price fixing relating to the particular commodities or services purchased or acquired by the COUNTY. At the Sumter County BOCC discretion, such assignment shall be made and become effective at the time the purchasing agency renders final payment to the respondent."

Phil Thiel, Senior Vice President

Authorized Agent, Title (Print)

Authorized Signature

July 1, 2013

Date

This form must be completed and returned with your Submittal.
Statement of General Terms and Conditions

PUBLIC ENTITY CRIME: A person or affiliate who has been convicted of a public entity crime may not submit a Proposal/Bid on a contract to provide any goods or services to a public entity, for the period prescribed by the relevant law, and Proposals/Bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, if the public entity reasonably believes that a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of the conviction, the convicted vendor or individual. REGARDING THE REQUEST FOR PROPOSALS/RFQ OR INVITATION TO Bid (BBID) must be submitted in writing to the Board's Financial Services Manager.

ANTI TRUST LAWS: By submission of a signed RFP or Bid, the successful Vendor acknowledges compliance with all antitrust laws of the United States and the State of Florida, in order to protect the public from restraint of trade, which illegally increases prices.

CONFLICT OF INTEREST: The award of the contract hereunder is subject to the provisions of Chapter 112 of the Florida Statutes. Vendors will not disclose the name of any Officer, Director, or Agent who is also an Officer, Appointee, or Employee of any of the Boards at the time of the RFP or Bid, or at the time of occurrence of the Conflict of Interest hereunder.

INTERPRETATION, CLARIFICATIONS AND ADDENDA: No oral interpretations will be made to any Vendor in the meaning of the RFP/BBID Contract Documents. Any inquiry or request for interpretation received by the Financial Services Manager before the date listed herein will be given consideration. All such changes or interpretations will be made in writing in the form of an Addendum and, if issued, will be distributed to all the Proposers/Bidders and/or BBID Contract Documents, and mailed or e-mailed by means to all attending prospective Submitters prior to the established RFP/BBID opening date. Each Vendor shall be deemed to have knowledge of all Addenda and/or BBID Contract Documents in the form in which they were issued. In case any Proposal/Bidder fails to acknowledge receipt of such Addenda or addendum, his offer will nevertheless be considered as though he had been informed and acknowledged and the submission of his offer will be considered as acceptance of the same. Addenda are a part of the RFP/BBID FORMS and each Proposal/Bidder will be bound by such addenda, whether or not he shall have received notice of them. It is the responsibility of each proposer/bidder to verify that all Addenda are issued before RFP/BBID opening date.

The quantities of work to be done and materials to be furnished under this RFP/BBID Contract are to be considered as approximations only and may be used solely for the purpose of comparing the RFP/BBID received. The Board and/or the Consultant do not expressly or by implication represent that the actual quantities involved will correspond exactly with the estimated quantities or proportions of any RFP/BBID, in its best interest.

TAXES: The Board reserves the right to exempt from any taxes imposed by the State and/or Federal Government. Exemption certificates will be provided upon request.

NON-COLLUSION DECLARATION: By signing this RFP/BBID, all Vendors affirm that they shall not collude with, or conspire, in any agreements or understandings or communications with others in order to effect or influence the selection of a Proposer/Bidder or the award or授出 of a contract or the acceptance or rejection of Proposal/Bid, or in any way engage in any practice which may in any way affect the freedom of action of any person to fix the price or prices in the RFP/BBID or of any other Bidder, or to fix any overhead, profit, or cost element, as a result of any such agreements or understandings. All persons engaged in the preparation of any Proposal/Bid shall, at all times, be free from any contracts imposed by the State and/or Federal Government. Exemption certificates will be provided upon request.

OWNERSHIP OF SUBMITTALS: All responses, inquiries or correspondence relating to or in relation to this RFP/BBID, and all other reports, charts, displays, schedules, exhibits and other documentation submitted by the Vendors will become the property of the Board. Reference to literature submitted with a previous RFP/BBID will not relieve the Bidder from including any required documents with this RFP/BBID.

PROPOSAL/BID DOCUMENTS: Each Bidder shall carefully examine the RFP/BBID Document to ensure that all pages have been received, all drawings and/or Specifications and other applicable documents are included, and shall inform himself thoroughly regarding any and all conditions and requirements that may be of material effect. Financial Services Manager Community shall have the burden of demonstrating that his program complies with Section 287.087 of the Florida Statutes, and any other applicable state law. This document must be completed and returned with your Submittal.
### Reference & Similar Projects Experience Form

This document must be completed and returned with your Submittal

<table>
<thead>
<tr>
<th>Owner / Business Name:</th>
<th>Pinellas County</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Location / Address:</td>
<td>Pinellas County (Various)</td>
</tr>
<tr>
<td>City:</td>
<td>Clearwater</td>
</tr>
<tr>
<td>State:</td>
<td>Florida</td>
</tr>
<tr>
<td>Zip Code:</td>
<td>Various</td>
</tr>
<tr>
<td>Point of Contact:</td>
<td>Mr. Charles Mangio</td>
</tr>
<tr>
<td>Dates of Work:</td>
<td>2010-2014 (ongoing)</td>
</tr>
<tr>
<td>Phone Number:</td>
<td>727.464.7544</td>
</tr>
<tr>
<td>Fax Number:</td>
<td>727.464.7713</td>
</tr>
<tr>
<td>E-mail Address:</td>
<td><a href="mailto:cmangio@pinellascounty.org">cmangio@pinellascounty.org</a></td>
</tr>
<tr>
<td>Project Name:</td>
<td>Pinellas County Debris Management Plan</td>
</tr>
<tr>
<td>Brief Description of Project:</td>
<td>Providing: Project management; planning for oversight and management of debris removal and disposal; and other emergency management-related tasks. (see full project description in our submittal)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Owner / Business Name:</th>
<th>Department of Homeland Security (DHS)/Booz Allen Hamilton, Inc. (Prime)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Location / Address:</td>
<td>12th &amp; C Street SW</td>
</tr>
<tr>
<td>City:</td>
<td>Washington</td>
</tr>
<tr>
<td>State:</td>
<td>DC</td>
</tr>
<tr>
<td>Zip Code:</td>
<td>20024</td>
</tr>
<tr>
<td>Point of Contact:</td>
<td>Ronald Langhelm (Booz Allen Hamilton)</td>
</tr>
<tr>
<td>Dates of Work:</td>
<td>2008 - 2013</td>
</tr>
<tr>
<td>Phone Number:</td>
<td>253.683.0291</td>
</tr>
<tr>
<td>Fax Number:</td>
<td>NA</td>
</tr>
<tr>
<td>E-mail Address:</td>
<td><a href="mailto:langhelm_ronald@bah.com">langhelm_ronald@bah.com</a></td>
</tr>
<tr>
<td>Project Name:</td>
<td>Department of Homeland Security (DHS) Geospatial Concept of Operations Planning</td>
</tr>
<tr>
<td>Brief Description of Project:</td>
<td>Dewberry is assisting the DHS Geospatial Management Office with developing a Geospatial Concept of Operations (GeoConOps) under sub-contract to Booz Allen. The GeoConOps is a multiyear effort focused on the geospatial communities supporting DHS and emergency management activities under the National Response Framework. (see full project description in our submittal)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Owner / Business Name:</th>
<th>Tampa Electrical Company (TECO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Location / Address:</td>
<td>Florida counties (various)</td>
</tr>
<tr>
<td>City:</td>
<td>Florida counties (various)</td>
</tr>
<tr>
<td>State:</td>
<td>Florida</td>
</tr>
<tr>
<td>Zip Code:</td>
<td></td>
</tr>
<tr>
<td>Point of Contact:</td>
<td>Ms. Susana Mueller</td>
</tr>
<tr>
<td>Dates of Work:</td>
<td>2013</td>
</tr>
<tr>
<td>Phone Number:</td>
<td>813.228.4403</td>
</tr>
<tr>
<td>Fax Number:</td>
<td>NA</td>
</tr>
<tr>
<td>E-mail Address:</td>
<td><a href="mailto:smmueller@tecoenergy.com">smmueller@tecoenergy.com</a></td>
</tr>
<tr>
<td>Project Name:</td>
<td>Flood Risk Assessment for Eastern Branch Natural Gas Services Area</td>
</tr>
<tr>
<td>Brief Description of Project:</td>
<td>Dewberry was selected by the Tampa Electric Company (TECO) to provide GIS planning services to assist with emergency management, business continuity, and mitigation planning activities. (see full project description in our submittal)</td>
</tr>
</tbody>
</table>
CONTRACTOR'S AFFIDAVIT

State of **Virginia**
County of **FAIRFAX**

Before me personally appeared Philip Thiel, who is Senior Vice President of Dewberry Consultants LLC, being duly sworn, deposes and says that the foregoing statements are true and accurate statement of the position of said organization as of the date thereof, and, that the statements and answers to the foregoing experience questionnaire are correct and true as of the date of this affidavit; and, that he/she understands that intentional inclusion of false, deceptive, or fraudulent statements of this application constitutes fraud; and, agrees to furnish any pertinent information requested by The Sumter County Board of County Commissioner deemed necessary to verify the statements made in this application or regarding the ability, standing and general reputation of the applicant.

Personally Known ___ or Produced Identification ____________________________

Sworn to and subscribed before me this **25**th day of **June**, 2013

VERONICA LYNNE SANDERS

NOTARY PUBLIC - STATE OF FLORIDA **VIRGINIA**
(Print Name of Notary Public)

(seal)
DRUG FREE WORKPLACE CERTIFICATE

I, the undersigned, in accordance with Florida Statute 287.087, hereby certify that,

Dewberry Consultants LLC
(print or type name of firm)

- Publishes a written statement notifying that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace named above, and specifying actions that will be taken against violations of such prohibition.
- Informs employees about the dangers of drug abuse in the work place, the firm’s policy of maintaining a drug free working environment, and available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug use violations.
- Gives each employee engaged in providing commodities or contractual services that are under Proposals or bid, a copy of the statement specified above.
- Notifies the employees that as a condition of working on the commodities or contractual services that are under Proposals or bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, please or guilty or nolo contendere to, any violation of Chapter 1893, or of any controlled substance law of the State of Florida or the United States, for a violation occurring in the work place, no later than five (5) days after such conviction, and requires employees to sign copies of such written (*) statement to acknowledge their receipt.
- Imposes a sanction on, or requires the satisfactory participation in, a drug abuse assistance or rehabilitation program, if such is available in the employee’s community, by any employee who is so convicted.
- Makes a good faith effort to continue to maintain a drug free work place through the implementation of the drug free workplace program.
- “As a person authorized to sign this statement, I certify that the above named business, firm or corporation complies fully with the requirements set forth herein”.

Authorized Signature

July 1, 2013
Date Signed

State of: VIRGINIA
County of: FAIRFAX
Sworn to and subscribed before me this 25th day of JUNE, 2013
Personally known or Produced Identification

Signature of Notary

My Commission Expires 1/31/2015
(seal)

This document must be completed and returned with your Submittal.
HOLD HARMLESS AGREEMENT

The Contractor/Vendor is required to purchase and maintain minimum limits of $1,000,000 per occurrence for all liability, which includes general liability and, if applicable, automobile liability. Other coverage may be required where applicable.

The Contractor/Vendor agrees to hold the Board of Sumter County Commissioners harmless against all claims for bodily injury, sickness, disease, death or personal injury or damage to property or loss of use resulting there from, arising out of the agreement, unless such claims are a result of the County's sole negligence.

The Contractor/Vendor shall purchase and maintain workers' compensation insurance for all workers' compensation obligations imposed by state law and employer's liability limits of at least $100,000 each accident and $100,000 each employee/$500,000 policy limit for disease. Even if the Contractor/Vendor is not required by state law to secure workers' compensation insurance, the Contractor/Vendor shall purchase and maintain worker's compensation insurance in order to perform or provide services to Sumter County. This is the standard requirement however; the Financial Services Department can perform a special review as needed on a case-by-case basis for the Contractor/Vendor.

The Contractor/Vendor shall also purchase any other coverage required by law for the benefit of employees.

Required insurance shall be documented in Certificates of Insurance and shall be provided to the County representative requesting the service.

By signature upon this form the Contractor/Vendor stipulates that he/she agrees to the Hold Harmless Agreement, and to abide by all insurance requirements.

__________________________
Dewberry Consultants LLC
Contractor/Vendor-Print Name

__________________________
Signature

__________________________
Geographic Information System Support Services
Project Name

__________________________
July 1, 2013
Date

For Emergency Management

The effective dates of this Hold Harmless Agreement shall be for the current Fiscal Year.

This document must be completed and returned with your Submittal
E-Verify Vendor/Contractor/Subcontractor Certification

The Sumter County Board of County Commissioners has mandated that effective August 1, 2012, all vendors, contractors and subcontractors doing business with Sumter County must certify that they have implemented the federal E-Verify program.

E-Verify is a federal system established by the Department of Homeland Security to determine the immigration and work-eligibility status of prospective employees. Detailed E-Verify program information for employers can be found at http://www.dhs.gov/e-verify.

Prior to providing goods or services to Sumter County, vendors must certify compliance with the federal E-Verify program. In the case of contractors, this includes obtaining written certification from all subcontractors who will participate in the performance of the contract. The certification below has been prepared for all vendors and contractors to use for this purpose. All subcontractor certifications must be kept on file with the contract vendor and made available to the state and/or County upon request.

CERTIFICATION
(In accordance with Executive Order No. 11-02)

I certify that the company shown below is in compliance with the above statement and that I am authorized to sign on its behalf.

Name of Company: Dewberry Consultants LLC

Authorized signature: [signature]

Printed name & Title: Phil Thiel, Senior Vice President

Address: 1000 N. Ashley Drive, Suite 801, Tampa, FL 33602

Date: July 1, 2013

Telephone Number: 703.849.0271

E-mail address: pthiel@dewberry.com

Sumter County reserves the right to determine how it will respond to any instances of non-compliance or false certification of compliance. Potential County actions include, but are not limited to, cancellation of the contract and/or suspending or debarring the contract vendor from performing services in any aspect to the County.

Please send the completed form to the Financial Services Department, 7375 Powell Road, Suite 206, Wildwood, FL 34785, or fax the form to (352)-689-4436. Once the form is received by the Financial Services Department the completed form will remain on file according to the Sumter County Retention Policy.

Please contact the Financial Services Department at 352-689-4435 with questions regarding this requirement.

The effective dates of this E-Verify Form shall be for the current fiscal year.

This document must be completed and returned with your Submittal.
ANTI-COLLUSION STATEMENT

By signing this form, the vendor agrees that this quote is made without any other understanding, agreement, or connection with any person, corporation, or firm submitting a quote for the same purpose and that the quote is in all respects fair and without collusion or fraud,


NAME OF FIRM: Dewberry Consultants LLC

[Sign in ink in the space provided below]

SIGNED BY: [Signature]

TITLE: Senior Vice President

ADDRESS: 1000 N. Ashley Drive, Suite 801

CITY & STATE: Tampa, FL 33604

TELEPHONE: 703.849.0271

No quotes will be withdrawn for a period of sixty (60) days subsequent to the opening of quotes, without the consent of the Board of Sumter County Commissioners.

NO QUOTE (Reason): 

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

This document must be completed and returned with your Submittal

This document must be completed and returned with your Submittal
STATEMENT OF PUBLIC ENTITY CRIMES

This is a sworn statement under Section 287.133(3)(a), Florida Statutes, on public entity crimes and must be signed in the presence of a notary public or other officer authorized to administer oaths.

1. This sworn statement is submitted with Bid, Proposal or Contract No. 012-0-2013/AT for Geographic Information System Support Services for Emergency Management.

2. This sworn statement is submitted by Dewberry Consultants LLC
   (Name of entity submitting sworn statement)
   whose business address is:
   1000 N. Ashley Drive, Suite 801
   Tampa, FL 33602

   Its Federal Employer Identification Number (FEIN) is 54-0604420. (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: ________________________________.)

3. I understand that a Public Entity Crime as defined in Paragraph 287.133(1)(g), Florida Statutes, is a violation of any State or Federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other State or with the United States, including, but not limited to, any bid, proposal, reply or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

4. I understand that convicted or conviction as defined in Paragraph 286.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any Federal or State trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial or entry of a plea of guilty or nolo contendere.

5. I understand that an affiliate as defined in Paragraph 287.133 (1)(a), Florida Statutes, means:
   (a) A predecessor or successor of a person convicted of a public entity or crime; or
   (b) An entity under the control of a natural person who is active in the management of the entity and who has been convicted of a public entity crime. Affiliate includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm’s length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding thirty-six (36) months shall be considered an affiliate.
6. I understand that a person as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity. Person includes those officers, directors, executives, shareholders, partners, employees, members, and agents who are active in management of an entity.

7. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

_x_ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989 AND (Please indicate which additional statement applies.)

_____ There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

_____ The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

_____ The person or affiliate has not been placed on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

______________________________
(Signature)

Sworn to and subscribed before me this 25th day of June, 2013.

Personally Known _X__

OR produced identification ___________ Notary Public – State of Virginia

Type of identification produced ____________________________ My commission expires 1/31/2015

Veronica Lynne Sanders
(Printed, typed or stamped Commissioned name of notary public)
CERTIFICATE OF LIABILITY INSURANCE

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFER NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
MARSH USA, INC.
1255 23RD STREET NW
4TH FLOOR
WASHINGTON, DC 20037
Attn: TEL: 202-263-7600
J06900-VP-2.4-12-13

INSURED
DEWBERRY CONSULTANTS LLC
9401 ARLINGTON BLVD.
FAIRFAX, VA 22031

CONTACT
NAME: FAX
E-MAIL: ADDRESS:

INSURER(S) AFFORDING COVERAGE NAIC #
INSURER A : Charter Oak Fire Insurance Co. 25665
INSURER B : Travelers Indemnity Co Of America 25665
INSURER C : Travelers Property Casualty Company Of America 37540
INSURER D : Beazley Insurance Company, Inc. 112200
INSURER E : Lloyd’s Of London

COVERAGE S CERTIFICATE NUMBER: REVISION NUMBER: 9
CLE-003887301-01

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.

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<th>INSURER</th>
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<td>NON-OWNED AUTOS</td>
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DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 161, Additional Remarks Schedule, if more space is required)

EVIDENCE OF INSURANCE

CERTIFICATE HOLDER
DEWBERRY CONSULTANTS LLC
9401 ARLINGTON BOULEVARD
FAIRFAX, VA 22031

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
Manoshi Mukhejee

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**ADDITIONAL REMARKS SCHEDULE**

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>MARSH USA, INC</th>
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<td>CARRIER</td>
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<td>EFFECTIVE DATE</td>
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**ADDITIONAL REMARKS**

**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,**

**FORM NUMBER:** 25  **FORM TITLE:** Certificate of Liability Insurance

- Automobile Liability
- Policy Covers
  - Comp/Col Ded.: $1,000; Y

- Valuable Papers
- Policy Details
- Insurer Ltr. A
- Policy Number: P3078286312COF12
- Eff. Dt.: 07/01/2012 Exp. Dt.: 07/01/2013
- Limit: $3,000,000 Per Occurrence

PROFESSIONAL LIAB.
- SIR $1,000,000
This document must be completed and returned with your Submittal

STATEMENT OF “NO PROPOSALS”

RFP # 012-0-2013/AT

If you do not intend to submit a Proposal for this project, please complete and return this form prior to date shown for receipt of Proposals to: Sumter County BOCC, 7375 Powell Road, Suite 206, Wildwood, Florida 34785. Attn: Ms. Chris Morrison.

We, the undersigned, have declined to submit a Proposal for your RFP # 012-0-2013/AT Sumter County Geographic Information System for Support Services for Emergency Management for the following reasons:

_________ Specifications are too “tight”, i.e. geared toward one brand or manufacturer only (please explain reason below)

_________ Insufficient time to respond to Request for Proposals.

_________ We do not offer this product/s or equivalent.

_________ Remove us from your vendor’s list for this commodity or service.

_________ Our product schedule would not permit us to perform to specifications.

_________ Unable to meet specifications.

_________ Unable to meet insurance requirements.

_________ Specifications unclear (please explain below).

_________ Competition restricted by pre-approved owner standards.

_________ Other (please specify below or attach a separate sheet).

Remarks:

________________________________________________________________________

________________________________________________________________________

“We understand that if this “No Proposals” letter is not executed and returned, our name may be deleted from the list of qualified proposers for the owner for future projects or commodities.”

Company Name: Dewberry Consultants LLC

Address: 1000 N. Ashley Drive, Suite 801, Tampa, FL 33602

Signature and Title: ___________________________  Senior Vice President

Telephone Number 703.842.0271 Date July 1, 2013
Tab C: Price

| www.dewberry.com |
Tab C: Pricing

The level of effort for Task Orders will be based on the Dewberry hourly rates in the following tables. Dewberry anticipates that specific Task Order proposals will include these hourly rates with estimated equipment and travel costs.

<table>
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<tr>
<th>SKILL CLASSIFICATION</th>
<th>HOURLY RATE</th>
<th>SKILL CLASSIFICATION</th>
<th>HOURLY RATE</th>
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## DEWBERRY SKILLS & RATES

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## DEWBERRY SKILLS & RATES (Cont.)

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