

17 May 2007

WV Statewide Addressing
and Mapping Board
Greenbrooke Bldg Suite 201A
1124 Smith Street
Charleston, WV 25301

RE: Monthly Status Report
Delivery Order: SAM0201. Project Manager in the Implementation of a Statewide Addressing and Mapping System.
Timeframe: 05 April 2007–17 May 2007
Percent complete: 64.00% (Year 5)

Dear Mr. Chairman and Board Members:

Baker is now 64.00% complete with its Year 5 project work. Since the presentation of the last full monthly status report on 05 April 2007 in Charleston, West Virginia, the Project Manager (PM) has focused its energies on the following activities:

1. The PM Addressing Liaison Team conducted 67 meetings in the months of April-May. They met with addressing coordinators, provided ongoing training on the WVSAMS, assisted with various confidentiality agreements, worked with prospective county vendors, delivered final leave behind cards (LBCs) for entry, worked with the USPS to facilitate postal conversion, and prepared ESN requests with Verizon.
2. The PM continues the WVSAMS software development. Having completed the street and site editing tools, the PM is now focusing development on TN matching tools, on support of GPS units, and extraction of shape files and more recently: site photos. Work this month also continued with the integration of TEAM datasets into SAMS, preparing data and information for the counties/liaisons/USPS. Work has begun on data conversion tools. Some of these tools currently under development include street chaining tools to aid in mass addressing; site address calculator for current sites; and location addressing tool for planning and addressing purposes.
3. The PM assisted the SAMB with the re-issuance of the GPS RFQ SAM0703. The PM has reviewed the proposals opened on 10 May at WV Division of Purchasing and is prepared to provide comments to the SAMB.
4. The PM has been in communication with IS&C about the status of the final Hardware. The servers have been loaded with the base OS but the final wiring is not complete. When completed, PM personnel will begin the final configuration.
5. The PM continues to prepare plot files and shape files for the counties.
6. The PM has maintained the SAMB Website (www.addressingwv.org).

Not including 67 regular site visits conducted in April-May 2007 by the county liaisons, the PM has

attended the following meetings:

1. 03 April Participated in E911 Council Meeting at Flatwoods.
2. 05 April Participated in Board Meeting at Verizon.
3. 25-26 April Addressing Liaison Team Meeting at Baker Office.
4. 04 May Participated in E911 Council Meeting at Verizon.
5. 10 May Attended SAM0703 bid opening at WV Division of Purchasing.

Mapping

- The PM continues to populate the order tracking database, and to work with WVSAMB to track delivered data and sent/received (paid) invoices. To date, WVSAMB has received orders for data in excess of \$29,846. There was one new commercial order and one governmental (unpaid) request this month.
- Navteq contacted the PM Team and expressed an interest in giving a brief presentation at the next board meeting in June.
- Fielding various requests for data. See the rolling list below:

Agency/Organization	<i>Number of Tiles</i>	<i>Data Extent</i>	<i>Date Sent</i>	<i>License Included</i>	<i>Amount</i>
US CENSUS	Entire County	Putnam County	April 6	Y	N/A
USDA-NRCS	12	Various southern tiles	April 6	N	N/A
CAMP DAWSON	Entire County	Preston County	April 13	Y	N/A
DIGITAL GLOBE	Entire County	Jefferson County and Surrounding Area	April 18	Y	N/A
ACQUIS	Entire County	McDowell County	April 18	N	N/A
CMSDK GROUP	65	Jackson, Wood, and Wirt Counties	May 17	N	N/A
EL ROBINSON	22	Portions of Lincoln, Boone, Mingo, Logan, Taylor, Marion, Harrison, Preston, Barbour, Mineral, Grant counties	June 21	Y	\$2,650.16
REGION I PLANNING & DEVELOPMENT COUNCIL	4	Mount Hope (Fayette County)	June 21	Y	\$584.12
ENGINEERING PERFECTION, PLLC	10	Portions of Putnam and McDowell counties	June 23	Y	\$1,272.80
GEOONE MAPPING	4	Portions of Randolph County	June 23	Y	\$584.12
US CENSUS	Entire County	Putnam County	June 23	Y	N/A
URS CORPORATION	1	Tile of Lewis County	July 5	Y	\$239.78
WILBUR SMITH ASSOCIATES	1	Tile of Wood County	July 5	Y	\$239.78

Agency/Organization	<i>Number of Tiles</i>	<i>Data Extent</i>	<i>Date Sent</i>	<i>License Included</i>	<i>Amount</i>
EL ROBINSON	5	Tiles of Wood and Raleigh Counties	July 22	Y	\$698.90
GOOGLE	40	Samples of Morgantown and New River Gorge Area	July 25	Y	N/A
FOX ENGINEERING	2	Wood County	August 15	Y	\$354.56
SUMMIT ENGINEERING	1	Mingo County	August 24	Y	\$239.78
EL ROBINSON	1	Lewis County	August 26	Y	\$239.78
POTESTA & ASSOCIATES	5	Jefferson County	September 8	Y	\$698.90
SUMMIT ENGINEERING	5	Logan County	September 27	Y	\$698.90
US CENSUS	Entire State	Entire State	October 13	Y	N/A
FOX ENGINEERING	2	Jackson and Mason Counties	October 23	Y	\$354.56
FOX ENGINEERING	1	Jackson County	November 11	Y	\$239.78
EMPIRE CONSULTING, LLC	8	Raleigh and Fayette Counties	November 30	Y	\$1,043.24
EL ROBINSON	2	Putnam and Kanawha Counties	December 23	Y	\$354.56
POTESTA & ASSOCIATES	4	Hampshire and Berkeley Counties	December 22	Y	\$584.12
EL ROBINSON	2	Monroe County	February 3	Y	\$354.56
WV DEPARTMENT OF ENVIRONMENTAL PROTECTION	N/A	Greenbrier and New Watersheds	February 14	Y	N/A
FOX ENGINEERING	1	Jackson County	February 23	Y	\$114.78
MARSHALL MILLER & ASSOCIATES	43	Clay and Nicholas Counties	February 23	Y	\$5,060.54
WV DEPARTMENT OF AGRICULTURE	Entire County	Hardy County	February 27	Y	N/A
BUCKHANNON-UPSHUR REGIONAL AIRPORT AUTHORITY	5	Upshur County	March 1	Y	\$698.90
POTESTA & ASSOCIATES	2	Greenbrier County	March 23	Y	\$354.56
MARSHALL MILLER & ASSOCIATES	4	Raleigh and Summers County	March 27	Y	\$584.12
SUMMIT ENGINEERING	2	Logan County	March 29	Y	\$229.56
FOX ENGINEERING	3	Jackson County	April 21	Y	\$469.34
POTESTA & ASSOCIATES	4	Hampshire County	May 1	Y	\$584.12
WEST VIRGINIA DIVISION OF NATURAL RESOURCES	1498	Eastern Panhandle	August 10	Y	N/A
MARSHALL MILLER AND ASSOCIATES	354	Fayette and Summers Counties	August 28	Y	N/A
WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION	1074	Wayne, Monongalia, Tucker, Preston, Randolph, Ohio, Wetzel, and Brooke Counties	September 7	Y	N/A

Agency/Organization	<i>Number of Tiles</i>	<i>Data Extent</i>	<i>Date Sent</i>	<i>License Included</i>	<i>Amount</i>
MARSHALL MILLER AND ASSOCIATES	2	Greenbrier County	October 2	Y	\$354.56
BERKELEY COUNTY PLANNING COMMISSION	Entire County	Berkeley County	October 23	Y	N/A
TELEATLAS	Entire County	Kanawha County	October 20	Y	N/A
FOX ENGINEERING	1	Wirt County	October 16	Y	\$239.78
WEST VIRGINIA TAX DEPARTMENT	Entire County	Jackson County	October 20	Y	N/A
POTESTA & ASSOCIATES	4	Mineral County	October 31	Y	\$584.12
MOUNTAINEER GRADING	4	Putnam County	October 31	Y	\$584.12
WVU GIS TECH CENTER	Statewide	Statewide	November 7	Y	N/A
RTI	Statewide	Statewide	November 7	Y	N/A
WESTLAKE, INC.	1	Fayette County	November 7	Y	\$239.78
WEST VIRGINIA TAX DEPARTMENT	Entire County	Mingo County	November 14	Y	N/A
LOUIS BERGER GROUP, INC.	1	Grant County Evaluation	November 14	Y	N/A
POTESTA & ASSOCIATES	31	Greenbrier and Nicholas Counties	November 29	Y	\$3,683.13
AE ASSOCIATES	1	Grant County	March 27	Y	\$239.78
REGION 9 PLANNING AND DEVELOPMENT	Entire Eastern Panhandle	Morgan, Berkeley, and Jefferson Counties	April 6	Y	N/A
WESTLAKE, INC.	3	Fayette County	April 6	Y	\$469.34
				TOTAL AS OF 15 MAY	\$29,845.84

Coordination of County Addressing Activities

- Intensive work continues at the county level with 60 premise visits to individual County Addressing Coordinator locations since the last Board report of 05 April 2007. Liaisons attended 911 Council meetings and some were present for interim board meetings, schedules allowing. In addition to the 60 recorded personal visits, questions were fielded by telephone and by email.
- The PM continues to work with the counties to develop their county work plans, in accordance with information supplied by the PM's work plan template. The PM is in receipt of **53** work plans at the time of this report. Only Morgan and Upshur remain
- The staff has created a unique approach in Mingo County, with the Commission agreeing to use the county incentive fund from the board to reward local volunteer fire departments for local data gathering. Michelle Barron and the county coordinator, working closely together, have arranged for the printing of map plots for the entire county and is coordinating the delivery of proper land segment plots to the various departments, who will in turn distribute to their various members according to location of residence. Using this technique, each volunteer fireman will be responsible for collecting data on approximately 150 – 175 sites in close proximity to his or her residence. The county has also purchased digital cameras for each VFD and photos will be taken during the process. Full field collection is scheduled to be completed on 8/15/2007 and data entry into WVSAMS will be complete and confirmed by 10/31/2007. This commitment by this group of dedicated volunteers will result in the county being completed in a timely fashion, and by the generosity of the

Commission, the efforts of those volunteers will be rewarded in a meaningful way.

- The County Addressing Liaison staff has NO recommendations for payment to additional counties for successful completion of Addressing Plans; however we anticipate receiving documentation from at least two counties in the next week that will result in recommendation for payment of the second 40% incentive payment.
- The County Addressing Liaison staff has one recommendation for payment for the 40% reimbursement. Raleigh County has submitted a request for their 40% reimbursement, and the Addressing Liaison staff has accepted and approves this request.
- Productivity among the counties on the WVSAMS has increased exponentially in the past month, with over 10,000 entries, double that of February. New measurement tools are in place on the live site, and are accessible from the Administrative Tab.

System Development & Administration

- Development work on the tasks to automate the uploading of shape files is nearly completed. The function has been successfully employed but issues regarding database connections from multiple computers are being reviewed.
- Field data is available via the Shapefile file extraction as UNIT and OLD ADDRESS tables. Once the LBC Card Loading is completed, this information is will be loaded into these tables as well as be available. Electric Meter and Electric Company information has been made available when requested
- TEAM 1 data loading continues. Development on the TEAM 2 loading is ongoing.
- Additional Attribute Filtering Capabilities have continued to be developed based on requests from Addressing Liaisons and the Counties. Several additional reports are now available under the “Reports” tabs on WVSAMS. Several additional filters are available via the
- Linear topology and relational attribute checks are continually being developed in order to search for anomalies such as incorrect ranging along streets or gaps.
- The Development Team continues to support both Counties and USPS to complete the postal addresses changes. Both Boone and Mason counties old/New Address lists have been submitted to USPS. The Development Team aided in this process by reconfiguring the county files to help USPS expedite the process. The knowledge gained will be used to create efficient old/new address list out of the WVSAMS.
- The PM has been in communication with IS&C about the status of the final Hardware. The servers have been loaded with the base OS but the final wiring is not complete. When completed, PM personnel will begin the final configuration.
- Development continues to aid with the data conversion process. The following functions are being developed: Street chaining tools to aid in mass addressing; site address calculator for current sites; and location addressing tool for planning and addressing purposes.
- The PM has developed a method for extracting county-wide site photos along with available site addresses from WVSAMS. Several Counties have requested photos and they have been delivered. The singular issue is the size – a typical county is getting between 1 and 2 gigs of data. For larger counties, this is in the 3 to 4 gig range and is causing issues with moving them off of the server.
- Leica Geosystems has acquired the technology assets of Acquis Inc. The Acquis unlimited use license agreement with West Virginia should be honored. Leica Geosystems is one of the largest

geospatial technology companies in the world. Their backing of the Acquis technologies should have a positive impact on the WVSAMB project. We will provide more details once we have a chance to meet with Leica and Acquis to discuss future plans. Acquis is still scheduled to assist Baker with the installation and unit testing of the ADE Mobile mapping solution for the hand held GPS receivers.

The PM wants to remind all of the stakeholders of this project that for any given step in addressing there are many methods that can be used to affect significant progress. Technology is an integral part of this project but it is meaningless without hard work and common sense. The PM liaisons will help counties (and their contractors) find the best approach to their unique situation while ensuring that The State's standards are met.

Thanks to the Board and please feel free to contact me any time at (304) 769-2115.

Sincerely,

MICHAEL BAKER JR., INC.

Joseph R. Seppi
Deputy Project Manager/Contract Manager

TEAM 1 Data Loading Progress May 2007

