

08 June 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: 17 May 2007–08 June 2007
Percent complete: 75.00% (Year 5)

Dear Mr. Chairman and Board Members:

Baker is now 75.00% complete with its Year 5 project work. The overall status of the West Virginia Statewide Address & Mapping project is 78% including the mapping phase of the project. Since the presentation of the last full monthly status report on 17 May 2007 in Charleston, West Virginia, the Project Manager (PM) has focused its energies on the following activities:

1. The PM Addressing Liaison Team conducted 29 meetings since the last the last Board meeting on 17 May 2007. 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 has continued to assist the SAMB with the re-issuance of the GPS RFQ SAM0703. The PM has provided comments to the SAMB and the West Virginia Division of Purchasing as requested. WVSAMB PMO has sent its selection preference to WV Division of Purchasing.
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. A conference call was held on 16 May to facilitate the finalizing of the hardware install.
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 25 regular site visits conducted since in late May and early June 2007 by the county liaisons, the PM has attended the following meetings:

1. 17 May Participated in Board Meeting at Verizon
2. 01 June Participated in E911 Council Meeting at Harrison County EOC.
3. 05 June Held first SAMS training workshop at Verizon.
4. 07 June Teleconference with IS&C, WVDHSEM, and PM Development Team on final network and SAN configuration for the hardware and software upgrades. Tentative go-live date set for second week in July.

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 were no new requests this month.
- Fielding various requests for data. See the rolling list below:

Agency/Organization	<i>Number of Files</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 1 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
EL ROBINSON	5	Tiles of Wood and Raleigh Counties	July 22	Y	\$698.90

Agency/Organization	<i>Number of Tiles</i>	<i>Data Extent</i>	<i>Date Sent</i>	<i>License Included</i>	<i>Amount</i>
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 29 premise visits and daily telephone support to individual County Addressing Coordinator locations since the last Board report of 17 May 2007. Liaisons attended 911 Council meetings and some were present for interim board meetings, schedules allowing. In addition to the 29 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 **54** work plans at the time of this report.
- The County Addressing Liaison staff has 1 recommendation for payment to additional counties for successful completion of Addressing Plans, which is for Morgan County. 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.

- Currently, Boone and Mason Counties continue their postal conversions with the USPS. Several zip codes in Mason County are currently being notified of their new addresses. The Worthington area of Marion County has been converted and the citizens will be notified within two to three weeks of their new addresses. At present, Braxton, Fayette, and McDowell Counties are completing several zip codes for conversion and will be returning edit sheets to the USPS for conversion.

System Development & Administration

- Development work on the tasks to automate the uploading of shape files is completed. It is functioning internally and will be made available with the implementation of the field modules in Jobs.
- Field data is available via the Shapefile file extraction as UNIT and OLD ADDRESS tables. LBC Card Loading is completed. After a review of the LBC data and comparing it to the Old Address fields, the decision has been made to transfer relevant portions of the LBC information into the Old Address table. However, the LBC table will be maintained to server as a backup source of information, especially for information that does not “fit” in the Old Address table.
- TEAM 1 data loading continues. TEAM 2 loading is being tested
- 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 Map Search function.
- 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 addressing algorithms are being refined to increase accuracy as well.
- TN Matching functionality is being developed. A spec document was completed and the base forms are being built. Input from the Addressing Liaisons has been provided. The process will ingest the ad hoc report from the appropriate telecom and output an XML form specifying the appropriate changes. Backend processes to increase match rates prior to manual input are also being examined.
- The PM has been in communication with IS&C about the status of the final Hardware. The wiring has been completed and the switch is being configured. The final details on SAN storage, backup, failover configuration, and cutover were ironed out on a teleconference on 07 June and cutover is expected during the second week in June 2007.
- 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. Currently we are extracting and burning to DVD the larger sets. This requires several days between notification and

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