

Brandon Moore



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BACKGROUND SUMMARY

GEOGRAPHIC INFORMATION SYSTEMS CONSULTANT with extensive experience in the development and maintenance of GIS in local government. Related areas of expertise are:

- E-911 Development & Maintenance
- Land Parcel Development
- Utility Mapping
- GIS Planning
- GIS Software Support
- Work Flow Analysis

EDUCATION & PROFESSIONAL

Virginia Tech Bachelor of Science, Geography, 1993

Emory & Henry GIS Adjunct Professor

Mountain Empire Community College GIS Adjunct Professor

Holston Valley/New River Valley GIS Users Group Member/Presenter

Mountain Empire GIS Users Group Coordinator/Presenter

VGIN Base Mapping Project Selection Committee Member

VGIN Local Government Orthophotography Standards Committee Member

EXPERIENCE

Mountain Empire Regional GIS (MERG) – Project Management

October 2009 - Present

Served as Project Manager overseeing the development and implementation of the Mountain Empire Regional GIS. This involved building a seamless VPN in five counties and one city in Southwest Virginia. The system created a regional data model for E911 mapping layers. The system uses ArcServer 10 to update the mapping database from each locality “on-demand” and supports E911 dispatch for Wireless E911. The system also hosts a regional mapping web site.

Bland County, Virginia – County Road Map Project

August 2005 – November 2005

Developed new County Road map for public distribution of 10,000 color maps.

Pillar, Inc.

January 2013 – Present

Work on GIS data and project setup for mapping VDOT assets along the interstate in Bristol and Salem Districts. Created geodatabase model for over 80 layers and created python models to automate attribution for asset management system.

Washington County Service Authority – GIS Consulting

December 2003 – Present

Developed GIS of all the Authority's facilities, including meters, lines, manholes, hydrants, etc. Scanning documents and plans to link to the facilities in the GIS. Linking billing system to GIS mapping. Training staff on maintaining the system in AutoCAD Map and ArcView 9.0.

Botetourt County, Virginia – GIS Support (Open End Contract)

November 2006 – Present

Taught public works staff GIS software usage, GPS training and techniques, and database design related to water and wastewater data layer development. Currently assisting on an as-needed basis. Currently, working with GIS/E911 Coordinator on developing a school system planning application to assist in planning for the future school population trends and facility needs.

Town of Blacksburg, Virginia

May 2008 – Present

Development of a digital fiber facilities layer for use in GIS. Development included GPS field work to locate poles, pull boxes, termination points, and splices. Create attributes and a relational database to store additional information and photo links.

Town of Wytheville, Virginia (Open End Contract)

March 2010 – Present

Setup ArcServer on the Town's GIS server to serve as an intranet mapping application for all departments. Assisted GIS staff in maintenance and updating server from version 9.3 to version 10 on new GIS server. Assist staff with GIS support on an as-needed basis.

Wythe County, Virginia (Open End Contract)

November 2010 – Present

Serve as GIS consultant to maintain overall GIS. Perform parcel maintenance from data provided by the COR. Responsibilities include mapping new parcel from plats and deeds, updating the county-wide parcel layer on the County's Internet GIS site, linking data to the real estate database, and updating the County's internal GIS software for departments. Maintaining the utility layers for the utility department. Maintaining mapping system in dispatch center and managing the AVL system in emergency vehicles. Work with Economic Development on prospective site related mapping.

Bedford County, Virginia

July 2012 – Present

Development and Setup of a 911 ANI/ALI program to manage and update the County's E911 phone database for use in dispatch and for reverse 911 system. Program creates fallout reports for monitoring unmatched addresses within the 911 mapping layers.

Buckingham County, Virginia (Open End Contract)

September 2012 – Present

Installation of E911 mapping system in the County's central dispatch including training and setup. Development of a countywide digital parcel layer geo-referenced to the digital ortho imagery. Currently maintain County parcel updates.

Rockbridge County, Virginia

March 2013 – Present

Development of a 1st through 6th due fire and rescue layer for use by central dispatch creating with routing analysis. Support of Central dispatch mapping data layers with ArcServer.

Washington Gas Company

January 2004 – Present

Converted the GIS from the ArcView 3.3 platform at the Shenandoah and Frederick branches, to the ArcServer and ArcMap 9.x platform. Installed ArcServer Workbench and migrated mapping data to Gas Utility Data Model. Set up multi-editor environment and trained all staff on ArcEditor. Setup field laptops with GPS.

Washington County, Virginia

January 2000 – Present

Serve as GIS consultant to maintain overall GIS. Perform parcel maintenance to assist the GIS technician. Responsibilities include mapping new parcel from plats and deeds, updating the county-wide parcel layer on the County's Internet GIS site, linking data to the real estate database, and updating the County's internal GIS software for departments. Maintaining mapping system in dispatch center and managing the AVL system in emergency vehicles. Work with Economic Development on prospective site related mapping.

Pulaski County, Virginia – GIS Consulting

November 2005 – Present

Work with the County to assist in the continued development and maintenance of their GIS/E-911. Training E-911 department in ArcView 9.1, ArcPublisher, ArcReader, and 3D Analyst. Setup dispatch center data layers and data updating procedures. Training Comm. of the Revenue staff on updating parcel mapping. Setup end-user mapping stations throughout the County.

Floyd County, Virginia – GIS Consulting Manager

March 2013 – Present

Work with the County to assist in the continued development and maintenance of their GIS/E-911. Developed the County's digital parcel mapping layer (13,000 parcels) and continue to update parcels with new splits from Comm. of Rev. office. Installed and setup end-user GIS software called GISmo, in County departments, Constitutional offices, and dispatch center. Developed updating procedures and performed training for maintenance and general usage.

Scott County, Virginia – GIS Consultant/Sub-consultant on E-911 Project

September 2002 – Present

Conducted a GIS Needs Assessment and developed a report and plan of action report. Project included a GIS education presentation, interviews, computer and software inventories, computer network "map", and recommendations as to how the County should proceed in the development of GIS including budgeting estimates, software recommendations, work flow analysis, etc. Currently working on an as-needed basis with the E-911 Coordinator for GIS related needs. Also, developing overlay layers for the E-911 Addressing project, such as electrical coverage, telephone coverage, natural gas lines and wells, restricted bridges, cell towers, and caves and quarries.

Bland County, Virginia – GIS Consulting

June 2006 – Present

Conversion of parcels from hard-copy to digital mapping base. Conversion of out-sourced addressing maintenance system to an in-house system. Training E-911 department in ArcView 9.1, ArcPublisher, ArcReader, and 3D Analyst. Setup and train building inspection on using GPS to map all new structures and roads. Setup dispatch center data layers and data updating procedures. Setup end-user mapping stations throughout the County departments.

Cranwell, Emick, and Moore – GIS Consulting

January 2006 – Present

Provided consulting services to attorneys. Completed GIS mapping analysis and produced exhibits for use in land development case.

Giles County, Virginia – GIS Consulting

September 2004 – Present

Work with the County to assist in the continued development and maintenance of their GIS/E-911. Trained GIS Technician in ArcMap, ArcEditor, ArcPublisher, ArcReader, and 3D Analyst. Trained GIS Technician on building digital parcel layer utilizing scanned plats and deeds and updating the County parcel layer. Training on printing parcel mapping. Developed road address ranges for VGIN road centerline project for the County. Assisted in the Wireless 911 project through the Wireless Board. Conducted training and support documentation on using GPS to map utilities and new structures. Continuing to assist County GIS on an as-needed basis.

Botetourt County, Virginia – Road Map

February 2005 – April 2005

Developed new County Road map for public distribution of 10,000 color maps.

Franklin County, Virginia – Addressing Project

November 2004 – 2008

Creation of addressed building polygon layer. Geocoding 28,000 E-911 address database records and attaching addresses from geocoded points to building polygons. Trained County staff on assigning address ranges to road centerlines.

Town of Bluefield, Virginia – Road Verification

May 2005

Performed road centerline review for the Town of the VGIN road centerline data layer.

Russell County, Virginia – GIS Consulting

August 2005 - Present

Developed the new County Road map for public distribution of 5,000 color maps. Trained E-911 department staff on using ArcView GIS to maintain addressing. Developed and setup custom tools in ArcView to assist in address maintenance.

Smyth County, Virginia – E-911 Map Display

January 2004

Implemented an E-911 mapping/ALI display system for the County's dispatch center. Tasks included installing, setup, training, and maintenance and support of the system using GeoComm's GeoLynx software.

GeoComm, Inc. -- Subcontractor GIS/E911 Consultant

November 2002 - Present

Working as a sub-consultant to GeoComm, Inc. as it works in the Southwest region of Virginia assisting PSAP's in becoming Wireless Phase 1 and Phase compliant. Verify tower locations, analyze PSAP CAD software and CPE equipment, and review mapping needs.

Franklin County, Virginia – GIS Consulting

June 2002 – Present

Assisting the County with GIS development plans on an “as-needed” basis. Conducted several GIS educational presentations for County leaders and personnel. Installed CAD Mapping software in dispatch for Phase 1 and Phase 2 911 calls. Trained dispatch staff. Continue as support as needed.

Franklin County, Virginia – E-911 Map Display

April 2004 – May 2004

Implemented an E-911 mapping/ALI display system for the County’s dispatch center. Tasks included ordering, installing, setup, training, and maintenance and support of the system using GeoComm’s GeoLynx software.

Wythe County, Virginia – GIS Consulting

June 2002 - Present

Developed an RFP for the County to obtain digital land parcels. Assisting County as it develops a GIS throughout the County. Coordinating the responsibilities of different departments and agencies to develop and maintain digital data layers and databases. Training personnel on using GIS software.

Twin County E911, Carroll, Grayson, and Galax, Virginia -- GIS Services

February 2002 - Present

Perform general GIS services on an as-needed basis via on-site support, as well as, telephone and email support. Created County-wide and City-wide road name maps.

Washington County, Virginia – GIS Manager

January 2000 – April 2002

Managed the development of the Washington County GIS. Began work with the County as a GIS Consultant Manager, developing a needs assessment and plan-of-action document. Worked as full-time GIS Manager from February 2000 to April 2002 and developed the full GIS database including, orthophotography, planimetric mapping, addressing, parcels, zoning, flood hazard, fire/rescue zones, voting districts, magisterial districts, and school attendance zones. Trained departments to use GIS software to replace existing hard copy mapping. Helped develop internet access program for all citizens. Installed CAD mapping software in dispatch center.

Smyth County, Virginia – GIS Services

March 2002 - Present

Perform general GIS services on an as-needed basis via on-site support, as well as, telephone and email support.

Mountain Empire Community College – GIS Certificate program Adjunct Professor

2002 - 2006

Taught several courses in the GIS certificate program. Program includes seven courses for students to learn GIS principles and software.

Emory & Henry College -- Geography Adjunct Professor

January 2002 – May 2002

Served as a Geography Adjunct professor for the spring 2002 semester using ArcView GIS to teach the GIS course.

SOFTWARE EXPERTISE

- ESRI products
 - ArcView 1, 2x, 3x
 - 3D Analyst
 - Network Analyst
 - ArcEditor 9.2, 9.3, 10.x
 - ArcView 8.3, 9.0, 9.1, 9.2, 9.3, 10.0, 10.1, 10.2
 - ArcServer Workbench and Standard Enterprise
 - DAK (Data Automation Kit)
- GTG GISmo
- GeoComm Products: GeoLynx, Mobilynx, GeoPoint, GeoStat, ENS, DMS Tools
- AutoCAD
- MS Access
- MS SQL

