

Cooperative Agreement Report  
USGS NMD NSDI CAP  
Mid-Agreement - Dec. - Apr., 2005-06

**Enhancing Missouri's Local Government Geospatial Capabilities - Empowering  
Local Governments to Support and Maintain the Missouri Structures for Numerous  
Potential Applications in The National Map.**

Award No. 05HQAG0136  
May 9, 2006

**Executive Summary**

This mid-agreement report will provide an update of the status of the 2005-2006 Missouri CAP activities.

Due to the lateness of this report it will cover the period since the last report (Sep. – Nov. 2005) – to the end of April, 2006. This is for two reasons – 1). The past two months have been the most active of the project and should be reported – and – 2). It seems purposeful to bring the report up-to-date. All continuing and ongoing activities have continued apace (Helpdesk Support, review of policies and outreach at various geospatially orientated meetings). Introduction to ArcGIS II ESRI “Authorization” has been accomplished by Mark Duewell the co-PI for the project. The original concern for delay of the project over the rumored difficulty of the test for “Authorization” proved groundless. The consulting agreement with MACOG has been accomplished with much less fan-fare than the previous MOCAP’04 agreement. The first MOCAP’05 regional training session has been conducted in St. Joseph, Missouri with 9 students attending and one part-time attendee.

It included an Introduction to ArcGIS II class and a USGS hosted workshop on overcoming data issues for data sets slated for eventual National Map inclusion. Of particular note was that students seem to complete the ArcGIS II class faster than the three days originally slated and it has been determined to move the USGS workshop from the fourth day to the afternoon of the third in order to save time and money.

At the time of this report 15 of 40 sub-tasks have been completed – an additional 17 are in progress and the remaining 8 have yet to be started. Most of those sub-tasks – especially those marked late (those highlighted in yellow) – and with the exception of this tardy report - are in the realm of the hardware updates and additions. Those tasks are delayed due to “in progress” moves of the existing equipment to the university’s IT server buildings. These are critical changes that should vastly improve bandwidth, failsafe backups and maintenance of the current hardware. The changes will impact all Missouri Spatial Data Information Service (MSDIS) users and – as part of that community – MO CAP National Map users as well. Also the attached timeline reflects the hardware solutions for the Missouri Spatial Data Information Services (MSDIS) hardware and software for the ’05-’06 MO CAP have again been relegated to a point later in the agreement period due to staff changes and the above hardware moves. Frankly the

changes are proving extremely slow in implementation and are cause for some concern on my part in regards to completing them by the end of the current project.

The explanation for these designations can be found under their respective major task elements below. Again - much of the work accomplished on the MOCAP has taken the form of meetings, telephone conversations and emails. The longer the duration of the project the more time is consumed in the Helpdesk role of answering questions concerning technical issues with the software and Regional Transportation Plans (RTPs). Helpdesk calls and emails have increased by approximately 65% indicating a stronger partnership is developing. That partnership is also reflected in that fact that data continues to come in generated by a combination of last year's MOCAP (2004-2005) and this year's MOCAP (2005-2006) continuing relationships.

#### Summary:

##### Positives:

First regional training and USGS workshop held with improved attendance over last year's numbers.

ArcGIS II "Authorization" achieved.

MACOG contract for services completed.

15 of 40 subtasks completed – 17 in progress.

Helpdesk calls and emails up significantly.

MSDIS hardware move has begun – improved services should be just around the corner.

##### Issues:

Completion of the various University server hardware moves are everything to the timely creation of a backup environment for the MSDIS National Map server. Until existing hardware is in place and functional - we are hesitant to add new upgrade issues. These changes are mandated by the needs of the entire MSDIS customer community.

##### Note:

See Attachment 1 for the project timeline and sub-task by sub-task completion status.

Please direct any questions concerning this report to either of the Co-PI's – Timothy Haithcoat (573) 882-2324, [haithcoatt@missouri.edu](mailto:haithcoatt@missouri.edu) or myself, Mark Duewell, (573) 882-6734, [duewellm@missouri.edu](mailto:duewellm@missouri.edu)