

**OHIO DEPARTMENT OF TRANSPORTATION
QUARTERLY RESEARCH**

REPORT



For Quarter Ending: December 31, 2006

Date Submitted January 16, 2007

Project Title: Development of Geotechnical Data Schema in Transportation

Research Agency: University of Florida

Principal Investigator(s): Marc Hoit

State Job No.: 134254

Agreement No.: 20982

Pooled Fund Study No. (if applicable): TPF5(111)

Project Start Date: October 1, 2005

Contract Funds Approved: \$

Project Completion Date: June 30, 2008

Spent To Date: \$ 38,065

% Funds Expended 7% Work Done 25 % Time Expired 40

List the Technical Liaisons and other individuals who should receive copies of this report: Kirk Beach

SUMMARY OF PROGRESS FOR QUARTER:

Attach a progress schedule consisting of graphical information depicting (1) a schedule of research activities tied to the tasks defined in the proposal, (2) a comparative status of actual versus estimated expenditures, and (3) a percentage completion of the research.

- Limited Public review of Draft was completed
- Discussion forum added to website for public review discussions
- New schedule set by GDC – Draft for public review to be ready by approximately

Jan 30th 2007, Public review will run for 3 months – until May 1, 2007.

- no meetings were held
- Example files of both DIGGS and AGS counterparts were completed
- Draft version of the AGS->DIGGS translator has been delivered – waiting on the next version of the schema
- New SIG developed for Geo-environmental data – kick off meeting scheduled for Feb 13 & 14, 2007
- Group established to develop the last piece of documentation – a Usage guide.

PROPOSED WORK FOR NEW QUARTER:

- Finalize the public draft of the schema and documentation
- Finalize the Usage manual
- Public comment phase Start January 30, 2006
- Planned release v1 of standard May 1, 07

IMPLEMENTATION (if any):

PROBLEMS & RECOMMENDED SOLUTIONS (if applicable):

Describe any problems encountered or anticipated that might affect the completion of the project within the time, scope, and fiscal constraints set forth in the contract, along with recommended solutions to those problems. **NOTING DIFFICULTIES IN THIS SECTION DOES NOT CONSTITUTE A REQUEST TO MODIFY THE PROJECT.** Requests for additional time, money, or scope revisions must be submitted in a separate letter to the Office of R&D Administrator.

The project is about 1 ½ months behind schedule – this is due to the extra time required for developing the data dictionary.

No expected change in the project is expected

EQUIPMENT PURCHASED (if any):

N/A

CONTACTS & MEETINGS:

Describe any meetings or contacts with ODOT technical liaisons and other pertinent

individuals relative to this project.

Conference call meeting of the GDC have been held to work on planning and scheduling.

Graphic View of Pooled Fund Study TPF 5(111)

Phase	Phase 1	Phase 2	Phase 2	Phase 2	Phase 2
Task Number	1	2	3	4	5
Task	Develop straw survey	Send to GMS team	Finalize Survey Questions	Response comments from GMS	Distribute Survey
Deliverable	Preliminary draft survey (Prototype data dictionary & schema)	Finalized Survey – Consensus version (<i>Preliminary Draft Dictionary available for DOT use</i>)	Collected responses to survey	Draft dictionary ready for general comment	Comments from general stakeholders on draft dictionary
Estimated Completion Date	30-Nov-05	15-Jan-06	31-Jan-06	6-Mar-06	15-May-06

Work Accomplished	Prototype schema and dictionary completed	Draft Dictionary and schema completed - Dictionary needed more work to complete	GMS returned comments	Draft Dictionary behind 2 weeks	Internal review of Draft circulated, no meetings, update to draft for public review by July 12
Actual Completion Date	30-Nov-05	17-Jan-06	6-Feb-06	8-Aug-06	15-Sep-06
Proposed expenditure for task	\$43,240	\$51,299	\$51,140	\$51,140	\$51,140
Proposed % Total expenditure	100%	9%	17%	26%	34%
Actual expenditure for task	\$38,534	\$19,777	\$18,288	\$0	\$0
Actual % Total expenditure	89%	3%	6%	6%	6%
Phase	Phase 1	Phase 2	Phase 2	Phase 2	Phase 2

Phase 2	Phase 2	Phase 2	Phase 3	Phase 3
6	7	8	9	10
Reduce Survey Data	Draft out for comments	Final schema/dictionary delivered	Develop additional straw dictionaries, hierarchy and schema	Finalize new elements for draft schema
Final data dictionary	Preliminary draft hierarchy and schema	Draft hierarchy and schema	New additions to phase 1 schema for additional elements	Final hierarchy and schema of new elements - ready for standards groups and use
30-Jul-06	31-Jan-07	1-May-07	1-Mar-07	30-Jun-08

<p>Draft corrected and readyed for Limited Public Review (new step added) - Launched Aug 7,06 Completed Sept 15, 06 - New effort to make correction in Schema from Limited review comments - Expected completion by Jan 30 - Public release expected. Public comments will be received by May 1.</p>			<p>A new SIG is in the process of being developed for geo-environmental data - the first kick-off meeting will be Feb 13-14 - the groups include US-EPA, Army Corps, AGS</p>	
\$43,240	\$51,140	\$2,300	\$150,000	\$150,000
41%	50%	50%	75%	100%
\$3,400				
7%	7%	7%	7%	7%
Phase 2	Phase 2	Phase 2	Phase 3	Phase 3