

**OHIO DEPARTMENT OF TRANSPORTATION
QUARTERLY RESEARCH**

REPORT



For Quarter Ending: September 30, 2006

Date Submitted October 3, 2006

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 30

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 circulated (new step determine by GDC)
- Website for review comments improved for linked comments
- Limited public review complete and updates to draft being developed

- no meetings were held
- Example files and translator (AGS->DIGGS) commissioned
- Two presentation given:
 - Geohazard conference in KY (Aug 2, 06)
 - JTC2 (joint international committee) on data standards to present as possible international standard – 3 additional groups joining (Sept 9, 06)
- Update to draft for public review expected by January 30

PROPOSED WORK FOR NEW QUARTER:

- Update draft standard based on limited public review and internal corrections found by example files and translator
- Develop 2 new documents:
 - Usage manual (how to use tables and where to put data)
 - Brochure (Management level introduction)
- 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.

N/A

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-06	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-06	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	30-Sep-06	30-Oct-06	30-Mar-06	30-Jun-08
Draft corrected and readyed for Limited Public Review (new step added) - Launched Aug 7,06 Completed Sept 15, 06				
\$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