

**OHIO DEPARTMENT OF TRANSPORTATION  
QUARTERLY RESEARCH**

**REPORT**



For Quarter Ending: March 31, 2006

Date Submitted March 31, 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: \$ 37,510

% Funds Expended 6.0 % Work Done 15% % Time Expired 16.0

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.

## **PROPOSED WORK FOR NEW QUARTER:**

- 1) Complete draft dictionary and schema
- 2) Distribute the dictionary and schema for internal comment
- 3) Prepare final draft version 1 of the schema and examples for public comment.

## **IMPLEMENTATION (if any):**

N/A

## **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.

N/A

## **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.

GMS meeting in Tampa (Jan 17-18) – reviewed the draft format of the dictionary and schema – tasked the GMS with review of the user guide.

## Graphic View of Pooled Fund Study TPF 5(111)

Phase	Phase 1	Phase 2	Phase 2
Task Number	1	2	3
Task	Develop straw survey	Send to GMS team	Finalize Survey Questions
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
Estimated Completion Date	30-Nov-06	15-Jan-06	31-Jan-06
Work Accomplished	Prototype schema and dictionary completed	Draft Dictionary and schema completed - Dictionary needed more work to complete	GMS returned comments
Actual Completion Date	30-Nov-06	17-Jan-06	6-Feb-06
Proposed expenditure for task	\$43,240	\$51,299	\$51,140
Proposed % Total expenditure	100%	9%	17%
Actual expenditure for task	\$38,534	\$19,777	\$17,733
Actual % Total expenditure	89%	3%	6%
<b>Phase</b>	<b>Phase 1</b>	<b>Phase 2</b>	<b>Phase 2</b>

Phase 2	Phase 2	Phase 2	Phase 2
4	5	6	7
Response comments from GMS	Distribute Survey	Reduce Survey Data	Draft out for comments
Draft dictionary ready for general comment	Comments from general stakeholders on draft dictionary	Final data dictionary	Preliminary draft hierarchy and schema
6-Mar-06	15-May-06	30-Jul-06	30-Sep-06
Draft Dictionary behind 2 weeks			
\$51,140	\$51,140	\$43,240	\$51,140
26%	34%	41%	50%
6%	6%	6%	6%
<b>Phase 2</b>	<b>Phase 2</b>	<b>Phase 2</b>	<b>Phase 2</b>

<b>Phase 2</b>	<b>Phase 3</b>	<b>Phase 3</b>
<b>8</b>	<b>9</b>	<b>10</b>
Final schema/dictionary delivered	Develop additional straw dictionaries, hierarchy and schema	Finalize new elements for draft 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-Oct-06	30-Mar-06	30-Jun-08
\$2,300	\$150,000	\$150,000
50%	75%	100%
6%	6%	6%
<b>Phase 2</b>	<b>Phase 3</b>	<b>Phase 3</b>