



RTI Semi-Annual Progress Report

Fiscal Year 2005

Date of This Report: August 1, 2005 Project Number: 9-1523 RMC: 3

Period Covered by This Report: March 1 – August 31, 2005

Project Title: Electronic Appraisal Development Study

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1. Requested Changes for Possible Project Modification

Project Termination: A revision of the original proposal was requested by TxDOT with new tasks suggested by TxDOT . The revised proposal with a termination date of August 31, 2006, has been approved by TxDOT.

Project Personnel: A new student researcher, Liang Liang, has been added to work on this project beginning June 2005.

Funding Needs: It was proposed that the budget for FY 2006 be increased from the original \$35,060 to \$99,577 in the last reporting period. The request is pending at TxDOT for final approval.

Work Plan: A new work plan has been approved according to the new tasks suggested by TxDOT. This Semi-annual report is based on the new work plan.

Deliverables Table: A new deliverables table has been approved according to the new tasks suggested by TxDOT and included in the revised proposal.

2. Program Development Information

This project has been revised to terminate on August 31, 2006.

3. Equipment

No equipment was purchased during this reporting period.

4. Progress to Date, by Task

Task 1. Conduct Research Project with Good Practices of Project Management

This task has been completed as scheduled. The project plan was developed and submitted to the PD on June 24, 2005, along with a list of technical memorandum to be delivered as the project progress.

Task 2. Review State-of-the-Art Technologies Potentially Useful for the Development of the Electronic Appraisal System

This task has been completed as scheduled. A comprehensive review of the state-of-the-art technologies with potential application to the development of an electronic appraisal system (EAS) has been conducted. Since the state-of-the-art is a moving target, the researchers are keeping a close eye on the latest development of related technologies. Using the information obtained under this task, a conceptual framework for the EAS has been developed.

Task 3. Gather and Organize Business Requirements and Technologies from TxDOT and Other State Participants

This task has been completed according to the schedule. The draft conceptual framework, user functional needs, and data requirements were developed and sent to TXDOT and other participating DOTs for review and ranking. The results were summarized and presented to the PD and PMC on July 18, 2005. The conceptual framework, user functional needs, and data requirements will be revised and submitted as technical memorandums to the PD before July 31, 2005.

Task 4. Analyze Requirements, Processes, and Technologies for Recommendation and Prototyping

This task is in progress. A preliminary analysis of the user functional needs has been conducted in order to turn them into system technical requirements. Background work on prototyping has been initiated. The task will be completed as scheduled.

Task 5. Design the Prototype Including: Input Form; Database; Process Analysis; Reporting; and, Technologies

This task is at its initial stage. Based on the review of various ROW appraisal forms and reports, the research team has developed a preliminary data input form and appraisal report as the output of the form. Additional work will be completed as the project progresses.

Task 6. Develop the Prototype

This task has not started according to the work plan.

Task 7. Present / Demonstrate the Prototype

This task has not started according to the work plan.

Task 8. Close-out the Research Project

This task has not started according to the work plan.

5. Progress on Development of “Product” Deliverables

Product #	Product Description	Progress to Date & Implementation Status
P1	Electronic appraisal system for ROW acquisition	Work is in progress.
P2	Resource manual for the use and	Work is in progress.

	implementation of the appraisal system	
P3	Prototype Documentation	Work has not started yet.

6. Meetings/Conferences

1. The researchers meet regularly to discuss project progress and related issues on the following date:
 - Every Wednesday, 3:00 – 4:00 pm, ECJ 6th Floor Conference Room
2. The researchers participated in AASHTO/FHWA ROW Conference to make a presentation on the project on:
 - May 18, 2005, Austin, Texas.
3. The researchers met with project consultants (Mr. Jim Henry and Mr. Dennis Pilkington) on the following date to discuss technical issues of the project:
 - July 14, 2005, Discussion on DOT Survey Results, CTR Conference Room
4. The researchers met with TxDOT personnel on the following dates to discuss technical and other related issues of the project:
 - April 13, 2005, Discussion on Survey to Be Sent to DOTs, TxDOT ROW Division
 - July 18, 2005, Discussion on DOT Survey Results, TxDOT ROW Division

7. Possible Candidates for Formal Presentations at the Upcoming RMC Meeting

It would be beneficial to present the project at the November RMC meeting, as significant progress has been made under this project.

8. Miscellaneous

None.

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