

Period Covered: January through March, 2005 (Quarterly Report)

KSDOT Progress Report
for the

State Planning and Research Program

PROJECT TITLE: Smart Work Zone Deployment Initiative		
PROJECT MANAGER: Richard L. McReynolds, P.E.	Project No: TPF-5(081)	Project is: <input type="checkbox"/> PLANNING <input checked="" type="checkbox"/> RESEARCH & DEVELOPMENT
Annual Budget	Multi Year Project Budget \$245,000	

Progress:

Evaluations, PIs, and estimated percent complete are given in the following table. Work done comprises literature reviews, surveys of transportation agencies, device design and preparations for field data collection.

Evaluation	PI	Total Budget	Pct of Total	Percent Complete (2005 Q1)	
PY04_Administration-Travel	E. Meyer (Meyer ITS)	\$ 49,222	20%	85.0%	17.1%
PY04_Web Administration	Aemal Khattak (UNL)	\$ 2,910	1%	85.0%	1.0%
PY04_Conference	Tom Maze (ISU)	\$ 10,562	4%	85.0%	3.7%
Portable Rumble Strips: Advanced Traffic Markings (ATM) and Recycled Technology, Inc. (RTI)	Alan Horowitz (UWM)	\$ 15,177	6%	100.0%	6.2%
Criteria for Portable ATIS in Work Zones: Lane Merge, Travel Time and Speed Advisory Systems	Alan Horowitz (UWM)	\$ 27,186	11%	85.0%	9.4%
Synthesis of Procedures to Forecast and Monitor Work Zone Mobility and Safety Impacts	Tom Maze (ISU)	\$ 34,357	14%	65.0%	9.1%
The Use of Raised Pavement Markings in Work Zone Applications – A Synthesis of Practice	Aemal Khattak (UNL)	\$ 23,666	10%	65.0%	6.3%
Design of Portable Rumble Strips	E. Meyer (Meyer ITS)	\$ 35,170	14%	80.0%	11.5%
Evaluation of Portable Rumble Strips	E. Meyer (Meyer ITS)	\$ 24,942	10%	25.0%	2.5%
Work Zone Incident Management Practices: Synthesis Study	Alan Horowitz (UWM)	\$ 21,808	9%	95.0%	8.5%
Total		\$ 245,000	100%	Complete	75%

Project Personnel: Eric Meyer, Meyer ITS (Principal Investigator, TAC Chair), Tom Maze, ISU (Principal Investigator), Alan Horowitz, UWM (Principal Investigator), Aemal Khattak, UNL (Principal Investigator)

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

Conference will be held in Bettendorf, Iowa. Work will continue on all projects.

STATUS AND COMPLETION DATE

Percentage of work completed to date for total project is: 66%

_____ on schedule X behind schedule, explain:

Project	Explanation
Portable Rumble Strips: Advanced Traffic Markings (ATM) and Recycled Technology, Inc. (RTI)	On schedule.
Criteria for Portable ATIS in Work Zones: Lane Merge, Travel Time and Speed Advisory Systems	Work took longer than expected. Additional time needed to complete the report.
Synthesis of Procedures to Forecast and Monitor Work Zone Mobility and Safety Impacts	Student work proved to be unacceptable. PI is redoing much of the work personally.
The Use of Raised Pavement Markings in Work Zone Applications – A Synthesis of Practice	Additional time needed for writing report.
Design of Portable Rumble Strips	The high-speed video camera employed for testing requires very moderate temperatures to operate properly. Prototypes were not ready early enough to test them in the fall, and so the first tests were delayed until March, delaying all subsequent work as well.
Evaluation of Portable Rumble Strips	Delays have been encountered in obtaining vendor samples.
Work Zone Incident Management Practices: Synthesis Study	On schedule.

Expected Completion Date: Aug 31, 2005