

Period Covered: April through June, 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 device design and field data collection and analysis, and report generation. A conference was also held to disseminate past results.

Evaluation	PI	Total Budget	Pct of Total	Percent Complete (2005 Q2)	
PY04_Administration-Travel	E. Meyer (Meyer ITS)	\$ 49,222	20%	98.0%	19.7%
PY04_Web Administration	Aemal Khattak (UNL)	\$ 2,910	1%	98.0%	1.2%
PY04_Conference	Tom Maze (ISU)	\$ 10,562	4%	100.0%	4.3%
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%	98.0%	10.9%
Synthesis of Procedures to Forecast and Monitor Work Zone Mobility and Safety Impacts	Tom Maze (ISU)	\$ 34,357	14%	75.0%	10.5%
The Use of Raised Pavement Markings in Work Zone Applications – A Synthesis of Practice	Aemal Khattak (UNL)	\$ 23,666	10%	75.0%	7.2%
Design of Portable Rumble Strips	E. Meyer (Meyer ITS)	\$ 35,170	14%	95.0%	13.6%
Evaluation of Portable Rumble Strips	E. Meyer (Meyer ITS)	\$ 24,942	10%	35.0%	3.6%
Work Zone Incident Management Practices: Synthesis Study	Alan Horowitz (UWM)	\$ 21,808	9%	98.0%	8.7%
Total		\$ 245,000	100%	Complete	86%

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:

Completion of data collection and analysis; report generation.

STATUS AND COMPLETION DATE

Percentage of work completed to date for total project is: 86%

_____ on schedule X behind schedule, explain:

Project	Explanation
Portable Rumble Strips: Advanced Traffic Markings (ATM) and Recycled Technology, Inc. (RTI)	Completed.
Criteria for Portable ATIS in Work Zones: Lane Merge, Travel Time and Speed Advisory Systems	Report under review by DOT.
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	Draft report under internal review.
Evaluation of Portable Rumble Strips	Delays have been encountered in obtaining vendor samples.
Work Zone Incident Management Practices: Synthesis Study	Completed.

Expected Completion Date: Dec 31, 2005