



OREGON DEPARTMENT OF TRANSPORTATION

Research Unit
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Salem, OR 97301

SPR Quarterly Progress Report
April 1, 2009 through June 30, 2009

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Date July 2, 2009

TO: Technical Advisory Committee Members:

Douglas Bish, ODOT TRS
Nick Fortey, FHWA Oregon Division
Angela Kargel, ODOT Region 2
Sheila Lyons, ODOT TRS
Rich Crossler-Laird, ODOT TRS

FROM: Mark Joerger, Senior Research Analyst; phone: (503) 986-3464

1. Project

Assessment of Statewide Intersection Safety Performance
SPR # 667

2. Key Dates

Start Date for ODOT: May 2, 2008
Completion Date for ODOT: August 31, 2009

3. Principal Investigator

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Civil and Environmental Engineering
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4. Progress

- Task 1: Project Initiation 100% complete
- Task 2: Literature Review 95% complete
 - 2nd draft completed by PSU GRA and relevant material provided by co-PIs. PI is making final revisions to text.
- Task 3: Data Assembly and Research Design – 90% complete
 - We have developed a method and procedure to collect most intersection elements.
- Task 3: Pilot Study – 65% complete
 - Data for about 50 intersections have been compiled (this includes all elements.
 - Crash data interface being developed.
 - Also working with NCHRP contractor to share data on intersections with flashing yellow arrow installations.
- Task 4: Full Intersection Study – Not yet started
- Task 5: Summary Data Analysis – Not yet started
- Task 6: Develop Safety Performance Functions – Not yet started
- Task 7: Final Report – Not yet started.

5. Problems

- Project still behind schedule. Progress on data collection has been positive but PI has been the backlog on completing the last draft of the literature review. However, PI has recently completed final reports on other 3 projects and fully expects to be able to devote significant effort to this project in the upcoming months.
- Minor street volumes and signal timing/phasing are proving to be the challenging part of the data collection.

6. Work Planned for Next Quarter

- Prepare no-cost extension, if TAC believes the project still has merit.
- Complete literature review, data memo and pilot study. Schedule and prepare to present all of this material in a TAC meeting by the end of August.

Note: the project is far over schedule, I would like to obtain feedback from the TAC as to whether the research is still relevant and needed. It is possible to cancel the project if no longer relevant.

7. **Finances**

SPR Project Summary

VENDOR	FY'08	FY'09	FY'10	FY11	TOTALS
ORIGINAL BUDGET	\$ 62,000	\$ 62,000			#####
REVISED BUDGET	\$ -	\$ 36,451	\$ 86,254		#####
EXPENDITURES - VENDOR	\$ -	\$ 32,354	\$ -	\$ -	\$ 32,354
BALANCE	\$ -	\$ 4,097	\$ 86,254	\$ -	\$ 90,351
ODOT	FY'08	FY'09	FY'10	FY11	TOTALS
ORIGINAL BUDGET	\$ 2,500	\$ 2,500			\$ 5,000
REVISED BUDGET	\$ 2,920	\$ 1,756	\$ 2,000		\$ 6,676
EXPENDITURES - ODOT	\$ 2,920	\$ 1,756	\$ -	\$ -	\$ 4,676
BALANCE	\$ -	\$ -	\$ 2,000	\$ -	\$ 2,000
PROJECT	FY'08	FY'09	FY'10	FY11	TOTALS
ORIGINAL BUDGET	\$ 64,500	\$ 64,500	\$ -	\$ -	#####
REVISED BUDGET	\$ 2,920	\$ 38,207	\$ 88,254	\$ -	#####
EXPENDITURES - PROJECT	\$ 2,920	\$ 34,110	\$ -		\$ 37,030
BALANCE	\$ -	\$ 4,097	\$ 88,254	\$ -	\$ 92,351