



OREGON DEPARTMENT OF TRANSPORTATION

Research Section
200 Hawthorne, B-240
Salem, OR 97301

SPR Quarterly Progress Report
July 1, 2009 through September 30, 2009

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Date October 1, 2009

TO: Technical Advisory Committee Members:

FROM: Mark Joerger, Senior Transportation Researcher; phone: (503) 986-3464

1. Project

Calibrating the Future HSM Predictive Methods for Oregon
SPR # 684

2. Key Dates

Start Date for ODOT: October 1, 2008
Completion Date for ODOT: June 30, 2010

3. Principal Investigator

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4. Progress

- Completed initial calibration of 2-lane rural road segments
- Acquired data for 2-lane rural intersection locations from available field-verified data sets (need to expand this data set since its size is a little small)
- Continued work on urban/suburban calibration
- Began evaluating geographic disparities for future assessment of calibration aggregation

5. Problems

- Work is proceeding but some of the sample sizes are a little small. The research team continues to look for ways to overcome this potential limitation. One possible option may be to mix state maintained roads with county maintained roads, but they would need to have similar design conditions.

6. Work Planned for Next Quarter

- Continue on the two-lane rural intersection calibration
- Work on the multi-lane rural models (these have very small sample sizes as well)
- Continue work on the urban/suburban calibration
- Meet with ODOT / TAC to review progress

7. Finances

SPR Project Summary

VENDOR	FY'09	FY'10	FY11	FY'12	TOTALS
ORIGINAL BUDGET	\$ 32,500	\$ 65,000	\$ 32,500		\$ 130,000
REVISED BUDGET	\$ -	\$ -	\$ -		\$ -
EXPENDITURES - VENDOR	\$ -	\$ -	\$ -	\$ -	\$ -
BALANCE	\$ 32,500	\$ 65,000	\$ 32,500	\$ -	\$ 130,000
ODOT	FY'09	FY'10	FY11	FY'12	TOTALS
ORIGINAL BUDGET	\$2,500	\$5,000	\$2,500		\$ 10,000
REVISED BUDGET	\$3,322	\$5,000	\$2,500		\$ 10,822
EXPENDITURES - ODOT	\$ 3,322	\$ 1,054	\$ -	\$ -	\$ 4,376
BALANCE	\$ -	\$ 3,946	\$ 2,500	\$ -	\$ 6,446
PROJECT	FY'09	FY'10	FY11	FY'12	TOTALS
ORIGINAL BUDGET	\$ 35,000	\$ 70,000	\$ 35,000	\$ -	\$ 140,000
REVISED BUDGET	\$ 3,322	\$ 5,000	\$ 2,500	\$ -	\$ 10,822
EXPENDITURES - PROJECT	\$ 3,322	\$ 1,054	\$ -		\$ 4,376
BALANCE	\$ -	\$ 3,946	\$ 2,500	\$ -	\$ 6,446