



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:
Scott Cramer, Traffic Signal Engineer, ODOT
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Project Champion
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FROM: June Ross, Research Coordinator; phone: (503) 986-2846

1. Project

Evaluation of Wet-Weather Retroreflectivity of Pavement Markings
SPR 681

2. Key Dates

Contract Start Date: August 5, 2008
Contract End Date: June 30, 2010
Completion Date for ODOT: August 30, 2010

3. Principal Investigators

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4. Progress

- Task 1: Completed.
- Task 2: Completed. Ida van Schalkwyk submitted a draft interim report to ODOT on August 3. June Ross provided feedback and a revised draft was distributed to the TAC for review. A TAC meeting took place on August 12. At the TAC meeting, Ida van Schalkwyk presented the findings from Tasks 1 and 2. She also presented a proposal for a revised work plan for the project. The proposal was made in response to the findings of the effort thus far and based on feedback from TAC members regarding the current test deck procedures and challenges experienced in the regions with manufacturers requesting in-field testing of materials that were not tested at the test deck. A revised work plan was developed based on the responses from the TAC and the TAC meeting. The research team was requested to proceed with the research work.
- Task 3: 10% complete. June Ross and Ida van Schalkwyk met with Katie Johnson to discuss the needs in terms of revision to the existing test deck procedures. The findings from this meeting was used to revised the work plan and identify particular subtasks within Tasks 3 through Task 5.
- Task 4: 20% complete.
- Task 5: 30% complete.
- Task 6: 15% complete. The updated content of the interim report will form some of the final report chapters.

5. Problems

- Based on the findings of work completed by the end of July 2009, the research team will not recommend a process for incorporating wet pavement marking tests other than what can be accomplished within the current time and budget constraints. A work plan revision was submitted to reflect the updated objectives for the research:
 - Provide recommendations on how ODOT testing and specifications can be adjusted to accommodate explicit consideration of wet pavement marking retroreflectivity.
 - Recommend a pavement marking selection process for the selection of pavement markings (excluding waterborne paints) that incorporates wet pavement marking retroreflectivity.
 - Recommend an in-service performance review process for durable markings.

6. Work Planned for Next Quarter

- The work was placed on hold on October 7 until further notice in order to confirm that the Office of Statewide Maintenance will be in a position to utilize the results of the revised project.

7. Finances

SPR Project Summary.

VENDOR	FY'09	FY'10	FY11	FY'12	TOTALS
ORIGINAL BUDGET	\$ 35,000	\$ 70,000	\$ 35,000		\$ 140,000
REVISED BUDGET	\$ 50,221	\$ 79,779	\$ -		\$ 130,000
EXPENDITURES - VENDOR	\$ 50,221	\$ -	\$ -	\$ -	\$ 50,221
BALANCE	\$ -	\$ 79,779	\$ 35,000	\$ -	\$ 114,779
ODOT	FY'09	FY'10	FY11	FY'12	TOTALS
ORIGINAL BUDGET	\$2,500	\$5,000	\$0		\$ 7,500
REVISED BUDGET	\$5,219	\$5,000	\$0		\$ 10,219
EXPENDITURES - ODOT	\$ 5,219	\$ 2,655	\$ -	\$ -	\$ 7,874
BALANCE	\$ -	\$ 2,345	\$ -	\$ -	\$ 2,345
PROJECT	FY'09	FY'10	FY11	FY'12	TOTALS
ORIGINAL BUDGET	\$ 37,500	\$ 75,000	\$ 35,000	\$ -	\$ 147,500
REVISED BUDGET	\$ 55,440	\$ 84,779	\$ -	\$ -	\$ 140,219
EXPENDITURES - PROJECT	\$ 55,440	\$ 2,655	\$ -		\$ 58,095
BALANCE	\$ -	\$ 82,124	\$ -	\$ -	\$ 82,124