



OREGON DEPARTMENT OF TRANSPORTATION

Research Unit
200 Hawthorne, Ste., B-240
Salem, OR 97301

SPR Quarterly Progress Report
April 1, 2008 through June 30, 2008

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Date July 31, 2008

TO: Technical Advisory Committee Members:

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FROM: Norris Shippen, Research Coordinator (ph: (503) 986-3538)

1. Project

Density Verification for Hot Mixed Asphalt Concrete Pavement
SPR # 666

2. Key Dates

Start Date for ODOT: October 1, 2007
Completion Date for ODOT: December 31, 2008

3. Principal Investigator

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4. Progress

- Progress on the literature review (Task 1) included:
 - Errors regarding clarity of details in literature studies and other documents (standard spec. table and ODOT visit findings) have been rectified.
 - The final draft of chapters one and two (Introduction and Background Studies) has been completed.

- Appendix A has been completed. Appendix A consists of a table that includes all details on states' standard specifications (number of gauge readings/core readings per location, number of locations per lot or subplot of size, standard measurement and calibration procedure followed, variation from standard procedure, correlation procedure, pay factor, and accepted allowable density limit)
- Progress on the assessment of ODOTs current practices (Task 2) included:
 - Documentation of ODOTs nuclear gauge calibration procedure.
 - Development of a comparison of AASHTO, ASTM, and WAQTC standards including similarities and differences.

5. Problems

- Problems associated with writing skills of GRA

6. Work Planned for Next Quarter

- Completion of the literature review.
- Conduct field testing (density measurements) and collect field samples (cores and blocks) on/from the OR 140 and Fort Hill projects.
- Initiate laboratory testing of field samples.

7. Finances

SPR Project Summary

VENDOR	FY'08	FY'09	FY'10	FY11	TOTALS
ORIGINAL BUDGET	\$ 55,000	\$ 85,000			\$ 140,000
REVISED BUDGET	\$ 55,000	\$ 65,000			\$ 120,000
EXPENDITURES - VENDOR	\$ 19,098	\$ -	\$ -	\$ -	\$ 19,098
BALANCE	\$ 35,902	\$ 65,000	\$ -	\$ -	\$ 100,902
ODOT	FY'08	FY'09	FY'10	FY11	TOTALS
ORIGINAL BUDGET	\$ 4,000	\$ 5,000			\$ 9,000
REVISED BUDGET	\$ 3,100	\$ 5,000			\$ 8,100
EXPENDITURES - ODOT	\$ 2,533	\$ -	\$ -	\$ -	\$ 2,533
BALANCE	\$ 567	\$ 5,000	\$ -	\$ -	\$ 5,567
PROJECT	FY'08	FY'09	FY'10	FY11	TOTALS
ORIGINAL BUDGET	\$ 59,000	\$ 90,000	\$ -	\$ -	\$ 149,000
REVISED BUDGET	\$ 58,100	\$ 70,000	\$ -	\$ -	\$ 128,100
EXPENDITURES - PROJECT	\$ 21,631	\$ -	\$ -		\$ 21,631
BALANCE	\$ 36,469	\$ 70,000	\$ -	\$ -	\$ 106,469