



OREGON DEPARTMENT OF TRANSPORTATION

Research Section
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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:
 Steve Soltesz, ODOT
 Craig Shike, ODOT, Project Champion
 Dale Bentz, NIST
 Terry Thames, ODOT
 Tim Rogers, FHWA

FROM: Steve Soltesz, Research Coordinator; phone: (503) 986-2851

1. Project

Internal Curing of Concrete Bridge Decks
SPR # 711

2. Key Dates

Start Date for ODOT: July 1, 2009
Completion Date for ODOT: December 31, 2011

3. Principal Investigator

Jason H. Ideker, Assistant Professor
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4. Progress

- Task 1: The literature review was approximately 70% complete by the end of this quarter
- Task 2: Two sources of lightweight fine aggregate have been obtained for this research project. In addition standard ODOT high performance concrete bridge deck mixture designs have been obtained to aid the research team in further selection of materials to include in this research project.
- Task 3: Initial trial autogenous shrinkage testing started.

- Task 4: No work initiated.
- Task 5: No work no work initiated.

5. Problems

- No problems were encountered in the first quarter of FY 2010

6. Work Planned for Next Quarter

- Task 1: Submit literature review to TAC
- Task 1: Submit work plan to TAC for review
 - Finalize based on feedback, adjust work in Tasks 3 accordingly
- Task 2: Finalize materials procurement
- Task 3: Begin work on initial phases: chemical shrinkage, characterization of lightweight aggregates
- Task 4: No work planned
- Task 5: No work planned

7. Finances

SPR Project Summary

VENDOR	FY'10	FY11	FY'12	FY'13	TOTALS
ORIGINAL BUDGET					\$ -
REVISED BUDGET	89,148	91,363	34,314		\$ 214,825
EXPENDITURES - VENDOR	\$ -	\$ -	\$ -	\$ -	\$ -
BALANCE	\$ 89,148	\$ 91,363	\$ 34,314	\$ -	\$ 214,825
ODOT	FY'10	FY11	FY'12	FY'13	TOTALS
ORIGINAL BUDGET	\$54,000	\$108,000	\$54,000		\$ 216,000
REVISED BUDGET	\$5,000	\$10,000	\$5,000		\$ 20,000
EXPENDITURES - ODOT	\$ 2,004	\$ -	\$ -	\$ -	\$ 2,004
BALANCE	\$ 2,996	\$ 10,000	\$ 5,000	\$ -	\$ 17,996
PROJECT	FY'10	FY11	FY'12	FY'13	TOTALS
ORIGINAL BUDGET	\$ 54,000	\$ 108,000	\$ 54,000	\$ -	\$ 216,000
REVISED BUDGET	\$ 94,148	\$ 101,363	\$ 39,314	\$ -	\$ 234,825
EXPENDITURES - PROJECT	\$ 2,004	\$ -	\$ -		\$ 2,004
BALANCE	\$ 92,144	\$ 101,363	\$ 39,314	\$ -	\$ 232,821