



SPR Quarterly Progress Report
October 1, 2008 through December 31, 2008

Date: February 5, 2009

TO: Technical Advisory Committee Members:
Tim Rogers, FHWA
Tony Kojundic, Silica Fume Association
Richard Hart, PE, ODOT
Norris Shippen, ODOT
Craig Shike, ODOT
Steve Soltesz, ODOT

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

1. Project

Abrasion-Resistant Concrete Mix Designs for Bridge Decks
SPR 622

2. Key Dates

Start Date for ODOT: October 2004
Completion Date for ODOT: December 2009

3. Principal Investigators

Todd Scholz
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100 Merryfield
Oregon State University
Corvallis, OR 97331

4. Progress

- Completed the lab work for the pilot study to investigate laboratory curing regimes (water, water plus ambient, water plus curing compound, steam plus ambient, steam plus curing compound).
- Completed the analysis of results for the pilot study. Developed a PowerPoint presentation and met with Knife River and ODOT to review the results. Made recommendations for an experiment plan for the mix design evaluation work.
- Provided the PowerPoint presentation with recommendations to ODOT.

5. **Problems**

- None

6. **Work Planned for Next Quarter**

- Initiate the mix design work.
- Identify candidate projects for the field evaluation work.

7. **Finances**

SPR Project Summary

VENDOR	FY'04	FY05	FY06	FY07	FY08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET	\$ 14,000	\$ 164,000	\$ 25,000	\$ 25,000	\$ 12,000	\$ -	\$ -	\$ 240,000
REVISED BUDGET	\$ -	\$ 21,810	\$ 33,019	\$ 312	\$ 95,328	\$ 74,360	\$ -	\$ 224,829
EXPENDITURES - VENDOR	\$ -	\$ 21,810	\$ 33,019	\$ 312	\$ 95,328	\$ 11,930		\$ 162,399
BALANCE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,430	\$ -	\$ 62,430

ODOT	FY'04	FY05	FY06	FY07	FY08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET	\$ 1,626	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ 21,626
REVISED BUDGET	\$ -	\$ 5,747	\$ 9,795	\$ 7,107	\$ 6,429	\$ 4,000	\$ 2,000	\$ 35,078
EXPENDITURES - ODOT	\$ -	\$ 5,747	\$ 9,795	\$ 7,107	\$ 6,429	\$ 3,629		\$ 32,707
BALANCE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 371		\$ 371

PROJECT	FY'04	FY05	FY06	FY07	FY08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET	\$ 15,626	\$ 169,000	\$ 30,000	\$ 30,000	\$ 17,000	\$ -	\$ -	\$ 261,626
REVISED BUDGET	\$ -	\$ 27,557	\$ 42,814	\$ 7,419	\$ 101,757	\$ 78,360	\$ 2,000	\$ 259,907
EXPENDITURES - PROJECT	\$ -	\$ 27,557	\$ 42,814	\$ 7,419	\$ 101,757	\$ 15,559	\$ -	\$ 195,106
BALANCE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,801	\$ 2,000	\$ 64,801