



SPR Quarterly Progress Report
July 1, 2008 through September 30, 2008

Date September 26, 2008

TO: Technical Advisory Committee Members:

John Svadlenak, ODOT Transportation Economist
Cole Mullis, ODOT Quality Assurance Engineer
Mark Winn, ODOT QCCS
Anthony Boesen, FHWA Representative

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

1. Project

Statistical Analysis of QC/QA Data on Construction Projects
SPR 650

2. Key Dates

Start Date for ODOT: July 1, 2007
Completion Date for ODOT: March 27, 2009

3. Principal Investigator

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4. Progress

- Initial literature search completed
- Established contacts with ODOT personnel for site visits and interviews
- Revised, expanded literature search completed
- TAC meeting held, decision made to concentrate on modeling the QA/QC processes for key materials, using interview and ODOT process manuals, rather than conducting site visits
- Problems in literature review corrected.

- New PhD student assigned to project.
- TAC meeting held to discuss strategy for moving the work forward. Results include increased focus on establishment of limits for application of statistical process of quality assurance. Further, additional work in suggestions of software for QA analysis would be helpful.
- Investigation into establishment of margin of error computations for statistical tests
- *Grad student met with ODOT and researched ODOT manuals of practice and standard specifications to establish process used by ODOT for QA for four basic materials (aggregates, HMAC, PCC-structural, and soils)*
- *Write-up of ODOT methods is underway*

5. Problems

- Progress has been slower than expected; project extended as a result. Mostly just a matter of temporary resource constraints.

6. Work Planned for Next Quarter

- Completion of ODOT practices write-up, meeting with TAC to discuss progress and completion of project
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7. Finances

SPR Project Summary:

VENDOR	FY'07	FY'08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET					\$ -
REVISED BUDGET	\$ -	\$ 50,789	\$ 57,211		\$ 108,000
EXPENDITURES - VENDOR	\$ -	\$ 50,789	\$ -	\$ -	\$ 50,789
BALANCE	\$ -	\$ -	\$ 57,211	\$ -	\$ 57,211
ODOT	FY'07	FY'08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET	\$ 45,000	\$ 83,000			\$ 128,000
REVISED BUDGET	\$ 2,006	\$ 6,890	\$ 3,000		\$ 11,896
EXPENDITURES - ODOT	\$ 2,006	\$ 6,890	\$ 1,949	\$ -	\$ 10,845
BALANCE	\$ -	\$ -	\$ 1,051	\$ -	\$ 1,051
PROJECT	FY'07	FY'08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET	\$ 45,000	\$ 83,000	\$ -	\$ -	\$ 128,000
REVISED BUDGET	\$ 2,006	\$ 57,679	\$ 60,211	\$ -	\$ 119,896
EXPENDITURES - PROJECT	\$ 2,006	\$ 57,679	\$ 1,949		\$ 61,634
BALANCE	\$ -	\$ -	\$ 58,262	\$ -	\$ 58,262