



SPR Quarterly Progress Report
January 1, 2008 through March 31, 2008

Date March 26, 2008

TO: Technical Advisory Committee Members:

John Svadlenak, ODOT Transportation Economist
Cole Mullis, ODOT Quality Assurance Engineer
Mark Winn, ODOT QCCS
Jeff Graham, 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: October 31, 2008

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.

5. Problems

- Literature is very complete regarding methods of statistical QA/QC and of FHWA recommendations. Literature is sparse regarding existing electronic (spreadsheet or computer programmed) tools to implement the methods in DOTs. Suggest survey of DOTs to discover methods for recommended implementation.
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6. Work Planned for Next Quarter

- Establishment of survey methodology for discovery of tools for statistical implementation.
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7. Finances

SPR Project Summary:

VENDOR	FY'07	FY'08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET					\$ -
REVISED BUDGET	\$ -	\$ 85,000	\$ 23,000		\$ 108,000
EXPENDITURES - VENDOR	\$ -	\$ 3,012	\$ -	\$ -	\$ 3,012
BALANCE	\$ -	\$ 81,988	\$ 23,000	\$ -	\$ 104,988
ODOT	FY'07	FY'08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET	\$ 45,000	\$ 83,000			\$ 128,000
REVISED BUDGET	\$ 2,006	\$ 6,500	\$ 3,000		\$ 11,506
EXPENDITURES - ODOT	\$ 2,006	\$ 5,069	\$ -	\$ -	\$ 7,075
BALANCE	\$ -	\$ 1,431	\$ 3,000	\$ -	\$ 4,431
PROJECT	FY'07	FY'08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET	\$ 45,000	\$ 83,000	\$ -	\$ -	\$ 128,000
REVISED BUDGET	\$ 2,006	\$ 91,500	\$ 26,000	\$ -	\$ 119,506
EXPENDITURES - PROJECT	\$ 2,006	\$ 8,081	\$ -		\$ 10,087
BALANCE	\$ -	\$ 83,419	\$ 26,000	\$ -	\$ 109,419