



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

Date June 30, 2008

TO: Technical Advisory Committee Members:

David N. Sillars, Assoc. Prof., OSU Civil, Const., & Environmental Engineering  
Jeff Graham, Field Operations Engineer, FHWA Oregon Division  
John Riedl, Senior Cost Engineer, ODOT Roadway Engineering  
Kathryn Ryan, Branch Manager, ODOT Support Services  
David J. Lutz, Project Delivery Unit Manager, ODOT Office of Project Delivery  
Tom Lauer, Major Projects Branch Manager, ODOT

FROM: Mark Joerger, Senior Research Analyst (ph: (503) 986-3464)

**1. Project**

Alternatives to Liquidated Damages for Ensuring Project Performance and Adherence to Completion Dates Establishing Guidelines for Incentive/Disincentive Contracting at ODOT  
SPR 646

**2. Key Dates**

Start Date for ODOT: July 2005  
Completion Date for ODOT: January 31, 2009

**3. Principal Investigator**

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**4. Progress**

- SPR 646-Items completed to date include:
  - Evaluated and “Reverse Engineered” Utah Selection Tool
  - Developed listing of project acceleration contracting alternatives

- Prepared and presented draft selection model as an Excel-based tool
- Developed schematic (web-based) test of revised selection model
- Investigated integration into existing ODOT system, such as PDWP
- Developed and presented a revised research plan
- Revised research plan approved
- Completion and presentation of literature review in acceleration techniques and project factors (characteristics); also in multi-criteria decision methods and techniques
- Development of plan for ODOT expert panel selection of techniques, criteria and selection model.
- Completion of long-listing of acceleration techniques and significant project factors that are important to the success of those techniques
- Establishment of short-list of characteristics and techniques
- Meeting held with ODOT expert group, established process for testing and validating the model
- Concluded development of decision model schema
- TAC meeting held to establish closing process; established focus group for expert input
- *Meeting held with expert task group; established relationship between techniques and project characteristics for three techniques*
- *Additional relationships added to data base, based on expert task group views*
- *Six potential test projects developed for selection model testing*
- *Process established for use of expert task group to test model*
- *A very preliminary draft of the final report has been submitted to ODOT as an indication of direction and focus of the study.*

## 5. **Problems**

- A minor consideration at this point is establishment of a final validation meeting with the expert task group; always difficult task to accomplish with a group of folks that are incredibly busy. A request has been made to set up the meeting and hopefully it will occur in the next several weeks.
- Contract has been extended through January, 2009 to allow for presentation at the TRB meeting in Washington under the contract. Final report is expected no later than end of September, 2008

## 6. **Work Planned for Next Quarter**

- Testing of model
- Composition of final report

## 7. **Finances**

SPR Project Summary

<b>VENDOR</b>	<b>FY'06</b>	<b>FY'07</b>	<b>FY'08</b>	<b>TOTALS</b>
ORIGINAL BUDGET	\$ 35,978	\$ 74,269		\$ 110,247
<b>REVISED BUDGET</b>	\$ 25,084	\$ 65,458	\$ 50,493	\$ 141,035
EXPENDITURES - VENDOR	\$ 25,084	\$ 65,458	\$ 39,530	\$ 130,072
<b>BALANCE</b>	\$ -	\$ -	\$ 10,963	\$ 10,963

<b>ODOT</b>	<b>FY'06</b>	<b>FY'07</b>	<b>FY'08</b>	<b>TOTALS</b>
ORIGINAL BUDGET	\$ 3,500	\$ 3,500	\$ 1,753	\$ 8,753
<b>REVISED BUDGET</b>	\$ 1,603	\$ 11,524	\$ 4,500	\$ 17,627
EXPENDITURES - ODOT	\$ 1,603	\$ 11,524	\$ 3,551	\$ 16,678
<b>BALANCE</b>	\$ -	\$ -	\$ 949	\$ 949

<b>PROJECT</b>	<b>FY'06</b>	<b>FY'07</b>	<b>FY'08</b>	<b>TOTALS</b>
ORIGINAL BUDGET	\$ 39,478	\$ 77,769	\$ 1,753	\$ 119,000
<b>REVISED BUDGET</b>	\$ 26,687	\$ 76,982	\$ 54,993	\$ 158,662
EXPENDITURES - PROJECT	\$ 26,687	\$ 76,982	\$ 43,081	\$ 146,750
<b>BALANCE</b>	\$ -	\$ -	\$ 11,912	\$ 11,912