



**OREGON DEPARTMENT OF TRANSPORTATION**

Research Unit  
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Salem, OR 97301

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

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Date January 5, 2009

**TO:** Technical Advisory Committee Members:  
Kent Fretwell, DAS Fleet Operations Manager  
Bill (William) Ward Oregon DOT Fleet Coordinator  
Jeff Graham, FHWA Operations Engineer  
Richard Munford, Transportation Economist

**FROM:** Jon Lazarus, Research Coordinator, (503) 986-2852

**1. Project**

Fleet Condition Model Review  
SPR # 670

**2. Key Dates**

Start Date for ODOT: December 1, 2007  
Completion Date for ODOT: September 30, 2009

**3. Principal Investigator**

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**4. Progress**

*Task # 5: Test the performance of research code and validate fleet condition tool*

The replacement models implemented in a new Access database tool has been developed and tested. Assuming data formats have been as specified, the tool works as planned. Fleet Services is evaluating the results from two different replacement models. One is their current model, and the other is a model identified in the simulations to perform better.

Task # 6: Develop final report

A draft of the final report has been completed.

**5. Problems**

- There have been some issues with inconsistency of input data that have been found.

**6. Work Planned for Next Quarter**

- Resolve data input issues with the Access tool.
- Complete final report after receiving comments on the final draft.
- Continue additional theoretical research on fleet replacement issues.

**7. Finances**

SPR Project Summary

<b>VENDOR</b>	<b>FY'08</b>	<b>FY'09</b>	<b>FY'10</b>	<b>FY11</b>	<b>TOTALS</b>
ORIGINAL BUDGET	\$ 101,688	\$ 50,844			\$ 152,532
<b>REVISED BUDGET</b>	\$ 32,762	\$ 131,294			\$ 164,056
EXPENDITURES - VENDOR	\$ 32,762	\$ 89,080	\$ -	\$ -	\$ 121,842
<b>BALANCE</b>	\$ -	\$ 42,214	\$ -	\$ -	\$ 42,214
<b>ODOT</b>	<b>FY'08</b>	<b>FY'09</b>	<b>FY'10</b>	<b>FY11</b>	<b>TOTALS</b>
ORIGINAL BUDGET	\$ 4,000	\$ 2,000			\$ 6,000
<b>REVISED BUDGET</b>	\$ 7,626	\$ 3,500			\$ 11,126
EXPENDITURES - ODOT	\$ 7,626	\$ 1,645	\$ -	\$ -	\$ 9,271
<b>BALANCE</b>	\$ -	\$ 1,855	\$ -	\$ -	\$ 1,855
<b>PROJECT</b>	<b>FY'08</b>	<b>FY'09</b>	<b>FY'10</b>	<b>FY11</b>	<b>TOTALS</b>
ORIGINAL BUDGET	\$ 105,688	\$ 52,844	\$ -	\$ -	\$ 158,532
<b>REVISED BUDGET</b>	\$ 40,388	\$ 134,794	\$ -	\$ -	\$ 175,182
EXPENDITURES - PROJECT	\$ 40,388	\$ 90,725	\$ -	\$ -	\$ 131,113
<b>BALANCE</b>	\$ -	\$ 44,069	\$ -	\$ -	\$ 44,069