



**OREGON DEPARTMENT OF TRANSPORTATION**

Research Unit  
200 Hawthorne, Ste., B-240  
Salem, OR 97301

**SPR Quarterly Progress Report**  
July 1, 2007 through September 30, 2007

ph: 503-986-2700  
fax: 503-986-2844

Date        October 1, 2007

**TO:**        Technical Advisory Committee Members:

Robert E. Trevis, P.E., ODOT  
Greg Apke, Program Leader, ODOT  
Lance Clark, Oregon Bridge Delivery Partners  
Arthur Martin, ODFW  
Jon Guido, ODOT  
Michele Eraut, FHWA

FROM:     Matthew Mabey, Research Coordinator (ph: (503) 986-2847)

**1.        Project**

Waterway Enhancement Construction Methods  
SPR 654

**2.        Key Dates**

Start Date for ODOT: July 1, 2007  
Completion Date for ODOT: April 10, 2009

**3.        Principal Investigator**

David N. Sillars, Ph.D., Principal Investigator  
Associate Professor  
Kiewit Center for Infrastructure & Transportation  
Department of Civil, Construction, and Environmental Engineering, Oregon State  
University  
Corvallis, OR 97331  
Phone: (541) 737-8058  
david.sillars@oregonstate.edu

Hamid Moradkhani, PhD, Co-Investigator  
Assistant Professor  
Department of Civil and Environmental Engineering, Portland State University  
Portland, OR 97207  
Phone: (503) 725-2436  
hamidm@cecs.pdx.edu

Trevor Smith, PhD, Co-Investigator

Professor  
 Department of Civil and Environmental Engineering, Portland State University  
 Portland, OR 97207  
 Phone: (503) 725-3225  
 trevor@cecs.pdx.edu

**4. Progress**

- *Initial literature review*
- *Listing and mapping of existing sites*
- *Visited five sites to develop understanding of problem*
- *Initial ODOT interview to better establish problem*

**5. Problems**

- OTREC funding deferred for one year, impact is unevaluated

**6. Work Planned for Next Quarter**

- Interview of additional ODOT personnel
- Discovery of ODOT documentation, including design and construction documents
- Establishment of data acquisition plan

**7. Finances**

SPR Project Summary

VENDOR	FY'07	FY'08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET					\$ -
REVISED BUDGET	\$ -	\$ 52,000	\$ 51,906		\$ 103,906
EXPENDITURES - VENDOR	\$ -	\$ -	\$ -	\$ -	\$ -
BALANCE	\$ -	\$ 52,000	\$ 51,906	\$ -	\$ 103,906

ODOT	FY'07	FY'08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET	\$ 50,000	\$ 100,000	\$ 70,000		\$ 220,000
REVISED BUDGET	\$ 8,811	\$ 5,000	\$ 5,000		\$ 18,811
EXPENDITURES - ODOT	\$ 8,811	\$ 2,556	\$ -	\$ -	\$ 11,367
BALANCE	\$ -	\$ 2,444	\$ 5,000	\$ -	\$ 7,444

PROJECT	FY'07	FY'08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET	\$ 50,000	\$ 100,000	\$ 70,000	\$ -	\$ 220,000
REVISED BUDGET	\$ 8,811	\$ 57,000	\$ 56,906	\$ -	\$ 122,717
EXPENDITURES - PROJECT	\$ 8,811	\$ 2,556	\$ -		\$ 11,367
BALANCE	\$ -	\$ 54,444	\$ 56,906	\$ -	\$ 111,350