



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

Date: September 30, 2008

TO: Technical Advisory Committee Members:

Craig Shike, ODOT
Matthew Stucker, ODOT
Scott Nelson, ODOT
Steve Soltesz, ODOT
Tim Rogers, FHWA

FROM: Steve Soltesz, Research Coordinator (ph: (503) 986-2851)

1. **Project**

Environmental Durability of Fiber Reinforced Composite Repairs for Diagonally Cracked Reinforced Concrete Bridges
SPR 652

2. **Key Dates**

Start Date for ODOT: 4/30/07
Completion Date for ODOT: 3/31/09

3. **Principal Investigators**

Dr. Christopher Higgins

4. **Progress**

- Two freeze-thaw T-specimens tested.
- Two control specimens (1 IT and 1 T) tested.
- Two IT specimens subjected to water immersion tested.
- Constructed two beam specimens for combined freeze-thaw and fatigue.
- Draft report on scale tests of FRP complete.
- Completed environmental exposure for freeze-thaw combined with fatigue.

5. **Problems**

- No significant problems.

6. Work Planned for Next Quarter

- Strength test IT beam subjected to FT in T position.
- Strength test T beams subjected to FT and fatigue.
- Develop draft final report.

7. Finances

SPR Project Summary

VENDOR	FY'07	FY'08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET					\$ -
REVISED BUDGET	\$ 120,314	\$ 23,686	\$ -		\$ 144,000
EXPENDITURES - VENDOR	\$ 120,314	\$ 23,686	\$ -	\$ -	\$ 144,000
BALANCE	\$ -	\$ -	\$ -	\$ -	\$ -

ODOT	FY'07	FY'08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET	\$ 77,500	\$ 103,000	\$ 103,000	\$ 36,500	\$ 320,000
REVISED BUDGET	\$ 7,032	\$ 5,910	\$ 6,000	\$ -	\$ 18,942
EXPENDITURES - ODOT	\$ 7,032	\$ 5,910	\$ 1,322	\$ -	\$ 14,264
BALANCE	\$ -	\$ -	\$ 4,678	\$ 36,500	\$ 41,178

PROJECT	FY'07	FY'08	FY'09	FY'10	TOTALS
ORIGINAL BUDGET	\$ 77,500	\$ 103,000	\$ 103,000	\$ 36,500	\$ 320,000
REVISED BUDGET	\$ 127,346	\$ 29,596	\$ 6,000	\$ 0	\$ 162,942
EXPENDITURES - PROJECT	\$ 127,346	\$ 29,596	\$ 1,322	\$ -	\$ 158,264
BALANCE	\$ -	\$ -	\$ 4,678	\$ 0	\$ 4,678