



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

Date: June 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: 12/31/08

3. Principal Investigators

Dr. Christopher Higgins

4. Progress

- Two beams (1 IT and 1 T) constructed, CFRP applied, placed in freeze-thaw chamber. Awaiting completion of fatigue frame to begin testing
- Fatigue frame designed and fabricated for freezer and partially erected.
- Two control specimens tested.
- Two freeze-thaw T-beams tested.
- Small scale test report complete.
- Portion of freeze-thaw durability report complete.
- IT-specimens remain in water saturation chamber.

- MOR specimens continue in water.

5. **Problems**

- No significant problems.

6. **Work Planned for Next Quarter**

- Conduct combined freeze-thaw and fatigue durability tests.
- Test the two water saturated beams.
- Test all MOR prisms for freeze-thaw and water durability.
- Complete reporting.

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	\$ -	\$ -	\$ -	\$ 120,314
BALANCE	\$ -	\$ 23,686	\$ -	\$ -	\$ 23,686
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	\$ -	\$ -	\$ 12,942
BALANCE	\$ -	\$ -	\$ 6,000	\$ 36,500	\$ 42,500
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	\$ 5,910	\$ -		\$ 133,256
BALANCE	\$ -	\$ 23,686	\$ 6,000	\$ 0	\$ 29,686