

**Quarterly Progress Report
For the period January 1, 2011 to March 31 2011
TPF-5(117)**

Project Dates: March 6, 2008 – July 31, 2011

Project Title: Development of Performance Properties of Ternary Mixtures:
Laboratory Study on Concrete and Field Demonstration Projects Addendum 241

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Progress Report:

| | |
|--|-----|
| Project is on schedule | Yes |
| Project is within budget | Yes |
| Significant changes in project description | No |

Problems (current or anticipated): None

Products and tangible results this quarter (reports/articles written, oral reports/interviews given):

- Final editing is proceeding on 5 field reports.

Interaction with Technical Monitor and/or Project Advisory Committee:

Brief summary of this quarter's research and activities pertaining to the project:

- Plans are being finalized for 3 field trips this year, CA in June, NY in July and OK in August. Work in CA will be conducted using the FHWA trailer which will be on location for another aspect of the roadway being built.
- Questions regarding performance of a ternary mix are being discussed with Caltrans

Main emphasis for next quarter:

- Final planning and execution of the field trips
- Analysis of the data collected.
- Start preparation of a model specification

| No. | Task Description | Completion Date Expected | % completed |
|-----|--|--------------------------|-------------|
| 1 | Field Project Identification | April 2010 | 100 |
| 2 | Mixture Design Development Assistance. | April 2011 | 80 |
| 3 | Field Demonstration Documentation | January 2011 | 90 |
| 4 | Technology Transfer | January 2011 | 20 |
| 5 | Model Specification | August 2011 | 10 |
| 6 | Final Report | August 2011 | 0 |

QUARTERLY BUDGET REPORT FOR
Project Title: Performance Properties of Ternary Mixes
Addendum 241
DATA FOR THE QUARTER ENDING MARCH 31, 2011

| BUDGET CATEGORY DESCRIPTION | AMOUNT BUDGETED | EXPENDITURES THIS PERIOD | CUMULATIVE EXPENDITURES |
|--------------------------------------|------------------------|---------------------------------|--------------------------------|
| SALARIES/WAGES | \$135,857.00 | \$1,875.27 | \$117,795.12 |
| BENEFITS | \$27,492.00 | \$738.40 | \$18,861.52 |
| TRAVEL | \$56,000.00 | \$0.00 | \$17,118.02 |
| SUPPLIES/MATERIALS | \$4,500.00 | \$0.00 | \$2,629.66 |
| SUBCONTRACTS(subj to IDC) | \$50,000.00 | \$0.00 | \$50,000.00 |
| SUBCONTRACTS(not subj to) | \$248,806.00 | \$0.00 | \$248,806.00 |
| OTHER DIRECT COSTS | \$64,400.00 | \$91.90 | \$44,785.76 |
| TOTAL DIRECT COSTS | \$587,055.00 | \$2,705.57 | \$499,996.08 |
| INDIRECT COSTS (University Overhead) | \$87,945.00 | \$681.91 | \$65,059.68 |
| CATEGORY TOTALS | \$675,000.00 | \$3,387.48 | \$565,055.76 |

NOTES:

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