

Transportation Pooled Fund Program

Project Title:

Impact of New Seismic Design Provisions on Bridges in Mid-America: A Pilot Pooled Funds Project

Project Manager and Phone Number:

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Project No: TPF-5(155)

Project is: under the R&D

Reporting Period:

Oct. – Dec. 2010

Description of Work Performed and Progress:

1. The original proposed tasks under the pooled fund study were completed in March 2009. However, FHWA is adding more funding to expand its scope of ground motion coverage to all the 50 States area. (Note: the original scope were in the Mid-America's 7 States)
2. The project is working on the additional task on expanding the ground motion data coverage. This additional cost will be provided by the FHWA funds.
3. The final report of the original task can be reviewed by the following link
<ftp://fhwaftp.fhwa.dot.gov/HRDI/Yen/TPF5155/Reports/>
with the login id: **hrdiguest** and password: **hrdiguest**
4. The project is adding more States ground motion, including Hawaii and Alaska. Different design return periods are considered to be added.
5. Additional different return periods of the ground motion data (Seismic hazard) using for bridge seismic design and retrofitting were requested from the HI State. The coverage of the program will be expanded to accommodate these requests.
6. The project is currently testing the ground motion data results from several States excluded from the original Mid-America Area. The interactive mode for accessing data is also revising to user friendly.

STATUS AND COMPLETION DATE

Percentage of work completed to date for total project

Project is: 97%

The project is on schedule.

Expected Completion Date: 05/31/2011

Project Manager

W. Phillip Yen, Ph.D., P.E.