

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): [California Department of Transportation \(Caltrans\)](#)

INSTRUCTIONS:

Project Managers and/or research project investigators should complete a quarterly progress report for each calendar quarter during which the projects are active. Please provide a project schedule status of the research activities tied to each task that is defined in the proposal; a percentage completion of each task; a concise discussion (2 or 3 sentences) of the current status, including accomplishments and problems encountered, if any. List all tasks, even if no work was done during this period.

Transportation Pooled Fund Program Project # <i>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i> TPF-5(357)		Transportation Pooled Fund Program - Report Period: <input checked="" type="checkbox"/> Quarter 1 (January 1 – March 31) <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
Project Title: Connecting the DOTs: Implementing ShakeCast Across Multiple State Departments of Transportation for Rapid Post-Earthquake Response			
Name of Project Manager(s): Loren Turner	Phone Number: 916-227-7174	E-Mail loren.turner@dot.ca.gov	
Lead Agency Project ID: Task ID 2949, Project ID P1132	Other Project ID (i.e., contract #): Contract # TBD	Project Start Date: 1/18/17	
Original Project End Date: 6/30/20	Current Project End Date: 6/30/20	Number of Extensions: none	

Project schedule status:

On schedule
 On revised schedule
 Ahead of schedule
 Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Percentage of Work Completed to Date
\$450,000	\$0	0%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
\$0	\$0	0%

Project Description:

The California Department of Transportation (Caltrans) is organizing and leading the TPF project, "Connecting the DOTs: Implementing ShakeCast Across Multiple State Departments of Transportation for Rapid Post-Earthquake Response," study number TPF-5(357) (<http://www.pooledfund.org/Details/Study/609>). Ten State Departments of Transportation (DOT) have committed funds and are key partners on this multi-state DOT project.

ShakeCast is a web-based tool that delivers an assessment of potential impacts to highway structures within minutes of an earthquake, raising situational awareness and improving emergency response for executive decision makers, traffic management center operators, and maintenance staff.

This TPF project seeks to achieve two primary objectives. First, it will bring participating DOTs into full ShakeCast operation for post-earthquake assessment of state and local bridge inventories. Second, the project will provide a mechanism to actively engage representatives from state DOTs with common interests in implementing and expanding the application of ShakeCast technologies to improve emergency response capabilities.

Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**TPF Project Status**

On 1/18/17 the status of the TPF Solicitation 1406 was changed to "Cleared by FHWA" and the official study number was assigned, TPF-5(357). Ten state Departments of Transportation (CA, ID, MO, MS, OK, OR, SC, TX, UT, and WA) have obligated funding totaling \$450,000 over the course of the 3-year project.

Project Coordination Meeting

An initial project coordination webinar was held on 2/14/17 with stakeholders from the partner DOTs. The intent of the meeting was to introduce the project team members and to establish general project communications and planning logistics. Agenda topics included:

- Project stakeholders and organization
- Project overview, scope, timeline, roles, etc.
- Draft Scope of Work
- Caltrans-USGS contracting procedures
- Strategy for future project panel meetings
- Communication tools available to the project panel
- Next steps

Contract Status

A draft SOW was shared with the partner DOTs for review and additional input in early January. The SOW was finalized in February using input received. A contract package with the U.S. Geological Survey was developed based on the SOW and was submitted for processing on 3/14/17 through Caltrans' Contract Administration group in the Division of Research, Innovation and System Information. Division-level reviews, revisions and approvals have been underway since that time. The requested contract start date is 7/1/17.

Technical Advisory Committee (TAC) Meeting

A 2-day meeting for the Technical Advisory Committee (TAC) has been scheduled for July 18-19, 2017 to be held in Sacramento, California at Caltrans Headquarters. Meeting arrangements and travel instructions are being prepared.

Anticipated work next quarter:

The following work is anticipated for next quarter:

- Continue with the contract package approval process.
- Finalize the July 2017 TAC meeting and travel details.

Significant Results:

Nothing to report at this time.

Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that might affect the completion of the project within the time, scope and fiscal constraints set forth in the agreement, along with recommended solutions to those problems).

Nothing to report at this time.

Potential Implementation:

Nothing to report at this time.