

## 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.*

<b>Transportation Pooled Fund Program Project #</b> <i>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i>  TPF-5(357)		<b>Transportation Pooled Fund Program - Report Period:</b> <input type="checkbox"/> Quarter 1 (January 1 – March 31) <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input checked="" type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
<b>Project Title:</b> Connecting the DOTs: Implementing ShakeCast Across Multiple State Departments of Transportation for Rapid Post-Earthquake Response			
<b>Name of Project Manager(s):</b> Brian Chiou	<b>Phone Number:</b> 916-227-7151	<b>E-Mail</b> Brian.Chiou@dot.ca.gov	
<b>Lead Agency Project ID:</b> Task ID 2949, Project ID P1132	<b>Other Project ID (i.e., contract #):</b> Contract # TBD	<b>Project Start Date:</b> 1/18/17	
<b>Original Project End Date:</b> 6/30/20	<b>Current Project End Date:</b> 9/30/20	<b>Number of Extensions:</b> 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.):****Contract Status**

Approval from the California State Transportation Agency has been granted and this project can proceed as a non-competitively bid contract. As of the end of Quarter 3, the final contract approval is pending on the approval of the SIMM22 COTS-SaaS Acquisition Information Form by the CIO (and possibly AIO) of Caltrans. Due to lengthy review and approval times, the requested contract start date may need to be further revised.

**Technical Advisory Committee (TAC) Meeting**

A 2-day meeting for the Technical Advisory Committee (TAC) was successfully held on July 18-19, 2017 in Sacramento, California at Caltrans Headquarters. This 2-day meeting brought together the state DOT representatives that comprise the Technical Advisory Committee (TAC), the USGS project team, and key stakeholders.

**Anticipated work next quarter:**

The following work is anticipated for next quarter:

- Secure the approval of SaaS Acquisition Information Form.
- Complete the contract package approval process.
- After the execution of contract, begin Task 1.1 – Capture DOT-Specific ShakeCast Deployment Requirements

**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).**

Due to lengthy review and approval times, the requested contract start date will be revised to a date of October, 2017

**Potential Implementation:**

Nothing to report at this time.