

**REQUEST FOR APPROVAL**

**To:**                   **Howard Levenson**  
Deputy Director, Materials Management and Local Assistance Division

**From:**               **Brenda Smyth**  
Branch Chief, Statewide Technical and Analytical Resources Branch

**Request Date:**      April 11, 2012

**Decision Subject:**   Approve Funding for Amendment to Interagency Agreement (IAA) with Caltrans to Complete TDA Seismic Retaining Wall study with the University of California at Davis (FY 2011/12, Tire Recycling Fund)

**Action By:**           May 15, 2012

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**Request and Findings:**

In this item, staff requests approval to amend and augment the existing Interagency Agreement (IAA) with Caltrans (DRR 10005), the scope of which is to conduct a Seismic Shake-Table Test and Analysis using Tire Derived Aggregates (TDA) as Backfill behind a typical Type I retaining wall.

**Recommendation:**

Staff recommends that CalRecycle amend IAA DRR 10005 with Caltrans using \$100,000 from FY 2011/12 funds allocated to Civil Engineering Applications for Waste Tires in the Research section of the Five Year Tire Plan and allowing \$69,174 from FY 2010/11 funds to revert. This IAA will now be funded at a total of \$438,748.

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**Deputy Director Action:**

On the basis of the information and analysis in this Request for Approval and the findings set out above, I hereby approve amending existing Interagency Agreement DRR 10005 with Caltrans, to complete the TDA Seismic Retaining Wall study with the University of California at Davis, in an amount not to exceed four hundred and thirty eight thousand, seven hundred and forty-eight dollars (\$438,748), subject to availability of funds appropriated to this program.

**Dated:**   4/13/12



Howard Levenson  
Deputy Director

Attachment: Budget Amendment

**Background Information, Analysis, and Findings**

Caltrans is subcontracting with the University of California at Davis to conduct the test and analysis, and the results will be used to validate the design that Caltrans will use to construct retaining walls using a TDA backfill. This contract and Scope of Work were originally approved in a Request for Approval dated May 13, 2010, with a termination date of May 15, 2013. Due to schedule complications (i.e., availability of the testing equipment) and a slight increase in costs for baseline tests, this contract needs to be extended to May 15, 2014, with a net increase in funding of \$30,826. In addition, by extending the end date of the contract, \$69,174 in FY 2010/11 funds will expire and need to be replaced with FY 2011/12 funds. Thus, staff is requesting that the IAA be amended for a total amount of \$100,000, using FY 2011/12 funds from the Tire Recycling Fund summarized in the table below. All funds, both expiring and new, were allocated and approved in the Civil Engineering Applications line item in the Research section of the current Five Year Tire Plan.

Contract	Fund Source	Amount Available	Amount to Fund Item	Amount Remaining	Line Item (Index/PCA)
TDA Seismic Retaining Wall study	Research –CE Applications for Waste Tires, FY 2011/12 Funds	\$500,000	\$100,000	\$400,000	TDA CE Tech & Construction Mgmt support (7730/T4000)