

Video Transcript: A short introduction to Tire Derived Aggregate (TDA)

Title: TDA. A Short Introduction.

Subtitle: TDA, Tire Derived Aggregate. A cost saving, sustainable, resource material

Narrator (off camera): Tire Derived Aggregate, more commonly called TDA is a valuable, recycled and sustainable resource made from waste tires. In California, the TDA program is administered by CalRecycle. We offer grants to help state agencies, municipalities and private construction companies get their civil engineering projects off the ground. CalRecycle has provided millions of dollar to a variety of projects that each used over five hundred tons of TDA.

Every automobile and truck tire on the road is a resource. More than forty million are replaced each year in our state. A significant number are turned into Tire Derived Aggregate. TDA is made from shredded waste tires, millions and millions of them, and these small pieces of rubber tire have many incredible uses in a variety of civil engineering applications. Heavy fill material such as sand, rock and gravel are time consuming and expensive to collect and move to construction sites. Since TDA is lightweight it can be transported to the construction site at one third the cost. CalRecycle has a committed staff who will assist in the planning and development of your engineering projects that will utilize Tire Derived Aggregate.

TDA is extremely effective for roadway repair. In Sonoma County a mountain road has washed away every ten years. TDA helped bring the cost of repairs in at fifty percent of the county's estimate.

In Santa Barbara County, Engineers estimate that the TDA repair will last four times longer than a normal road, which uses conventional fill material.

Many megawatts of electricity are generated from methane gas. TDA is used as a fill to help collect the methane gas from landfills, saving hundreds of thousands of dollars each year.

TDA is also very cost effective for uses in landfill, retaining wall backfill, and storm water systems.

TDA successfully mitigates the vibrations caused by light rail, allowing trains to move through bedroom communities early in the morning and late at night - very, very quietly...saving BART, LA METRO, and VTA millions of dollars.

Research testing at UC Davis and UC San Diego has shown that TDA could withstand a jolt much greater than the 1989 Loma Prieta quake. BART understands this data and now uses TDA for earthquake protection underneath their tracks.

City and County officials, as well as engineers throughout the state, are taking serious notice of TDA's effectiveness, when it is used for all these applications.

CalRecycle's Tire Derived Aggregate program offers an environmentally safe, cost effective, recycled resource. In its own small way, TDA can help contribute to the health and well-being of our earth.

For more information please contact:

Stacey Patenaude

Stacey.patenaude@calrecycle.ca.gov

916-341-6418

[CalRecycle TDA Program](#)