Dallas Cowboy Stadium

Houston Ship Channel Bridge

The "W" Hotel, Dallas Texas

AGGREGATE production in Texas for 2008 was approximately 231,000,000 tons with a value of $1.6 billion.

CEMENT usage for Texas in 2008 is estimated at 14,547,000 tons or a value of $1.3 billion.

2008 estimated ***CONCRETE*** usage in Texas - 53,200,000 cubic yards valued at $4.9 billion and approximately 13% of all ready mixed concrete produced in the US.

TACA

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Texas Rock Products

Aggregate, Cement, & Concrete Industries

The Economic, Environmental and Durable Foundation of Our Lone Star State

TEXAS AGGREGATES & CONCRETE ASSOCIATION

Building a Better Texas From the Ground Up

Economics

Aggregates

Aggregates, or crushed stone, make up 80% of all pavements.

One mile of a four-lane highway requires an estimated 38,000 tons of aggregate materials.

Stone, sand and gravel operations in Texas consists of **623 firms employing 7,911 fellow Texans**[1]

Texas leads the nation in the production of crushed stone, sand and gravel producing 8.5% of all aggregates produced in the US in 2008.

Cement

11 cement plants and 21 cement terminals in the State of Texas **providing jobs for over 1,800 Texans.**[2,3]

By 2030, Texas will need twice the amount of cement used in 2008 to accommodate growth,[4] thereby creating thousands of new jobs for Texans.

Texas is the largest consumer of cement and concrete in the U.S., using 15% of all U.S. shipments.

Concrete

In 2008, enough concrete was produced in Texas to **build all four-lanes of Congress Avenue** in Austin from the State Capitol to Boston, Massachusetts **four times**.

Concrete is the most widely used construction material in the world and is the second-most utilized product on earth, behind water.

Concrete is manufactured locally, providing more than 75,000 direct and 196,000 indirect jobs to Texas.[3]

Construction provides over 15% of total state employment in Texas.

[1]US Mine, Safety and Health Administration
[2]www5.tceq.state.tx.us/wq_dpa/index.cfm?fuseaction=home.permit_info_search
[3]Portland Cement Association Economic Research, 2008
[4]U.S. Census Bureau Population Forecasts

Vulcan-Helotes Quarry

Transit Mix Materials

TXI Hunter Cement Plant

Environment

Aggregates

Most aggregate materials are used within 50 miles of extraction point, reducing emissions from transportation.

Pits and quarries have been successfully reclaimed and transformed into parks, lakes, schools, wildlife areas, wetlands and other beneficial community uses.

Cement

Cement production has reduced its energy consumption by 37.5% since 1972.

The use of cement in concrete reduces energy use and CO2. Overall sustainability benefits dramatically outweigh the impact of the cement manufacturing process.

Concrete

Concrete is 100% recyclable and reusable.

Concrete is the most environmentally friendly building material on our planet.

Concrete has been proven to reduce the urban "heat island effect".

Because of concrete's high thermal mass, buildings built with concrete wall systems are generally 25-40% more energy efficient than wood or steel.

Concrete reduces lighting needs for pavements by 25-30%, saving energy and improving safety.

Driving on **concrete saves** between 4% and 6.7% in fuel costs.[5]

Concrete is strong, safe, and long lasting.

Concrete resists mold and termites improving health and reducing chemical usage.

Concrete is made from locally harvested materials, saving transportation energy and resulting emissions.

[5]Studies by the National Resources Council of Canada and by the University of Texas– Arlington