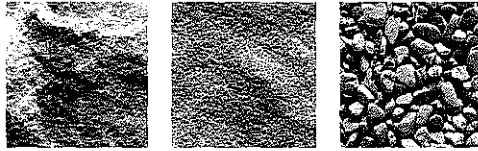


NATIONAL STONE, SAND & GRAVEL ASSOCIATION



*Natural building blocks for quality of life*

## What is NSSGA?

**NSSGA is the National Stone, Sand and Gravel Association.** On Feb. 12, 2001, the National Stone Association and National Aggregates Association merged to become the NSSGA. The association represents the crushed stone, sand and gravel—or construction aggregates—industries. Our member companies produce more than 90% of the crushed stone and 70% of the sand and gravel consumed annually in the United States. Two billion metric tons of aggregates were produced in 2012 at a value of \$17.4 billion, contributing \$40 billion to the GDP of the United States. The aggregates industry workforce is made up of about 110,500 men and women. Every \$1 million in aggregate sales creates 19.5 jobs, and every dollar of industry output returns \$1.58 to the economy.

Nearly two-thirds of the non-fuel minerals mined each year in the U.S. are aggregates. When coal mining is added to the crushed stone, sand and gravel industry, they account for more than one-half of the volume of all U.S. mining activity, and aggregates equal more than twice the amount of coal produced yearly.

The director of the U.S. Geological Survey called NSSGA the “largest mining association in the world,” based on the volume of product represented. Thirty-one percent of our market is roads and highways, 33% is residential construction and the remaining 36% is made up of commercial construction and public works (airports, water treatment plants, schools, *etc.*). NSSGA and its member companies are committed to assuring the safety and maintaining the good health of the workers across the nation who help produce the aggregates for those markets.

There are more than 10,000 construction aggregate operations nationwide. Virtually every congressional district is home to a crushed stone, sand or gravel operation. Proximity to market is critical due to high transportation costs, so 70% of our nation’s counties include an aggregates operation.

Construction aggregates are used primarily in asphalt and concrete. Ninety-four percent of asphalt pavement is aggregate; 80% of concrete is aggregate, whether pavement (“horizontal construction”) or buildings, dams, sewage treatment plants and the like (“vertical construction”). About 10 tons of aggregates per person are used annually in America. Every mile of interstate contains 38,000 tons of aggregates; about 400 tons of aggregates are used in construction of the average home.

America’s highway and transportation infrastructure is badly in need of upgrading. Together, the ISTEA, TEA 21 and SAFETEA-LU transportation infrastructure programs passed by Congress and enacted by the president have begun to address the enormous job (estimated by the Federal Highway Administration to be more than \$50 billion a year in highway needs alone) of simply repairing and maintaining our nation’s highway system. For every \$1 billion spent on highway construction, between 28,000 and 34,000 jobs are generated each year. Every dollar invested in the highway system yields \$5.20 in economic benefits to the nation. For these reasons, full funding of the nation’s surface transportation programs is a high priority for NSSGA.

Because more than 11,000 fatalities are attributed each year to hazardous road and bridge conditions, safety is a top concern of the aggregates industry. We believe that taxes paid by motorists and airline

passengers should be used for the purposes for which they are collected (highway and airport construction and maintenance) and not diverted to other programs.

Meanwhile, our nation's air is getting remarkably cleaner, in large part due to vehicles burning cleaner fuel. Reduction of gridlock and traffic congestion by improving old highways and building new ones will make the air even cleaner. The aggregates industry is a responsible steward of the environment. Not only are our products used for environmentally beneficial purposes, such as flue gas desulphurization, erosion control and aglime, but also to reclaim and return to the communities a variety of positive land-uses from wetlands to lakes, wildlife habitats, recreational centers and even amusement parks and golf courses.

NSSGA supports Quality Growth, the cultural ideal and experience of America: freedom to choose where to work, live and travel. NSSGA believes the American dream of home ownership and the ability to choose an urban, suburban or rural domicile and workplace is still viable and worthwhile. Quality Growth depends on local land-use planning, reduction of congestion, which will save Americans some of the 4.2 billion hours they now spend every year stuck in traffic, and improvement of air quality by reducing emissions.

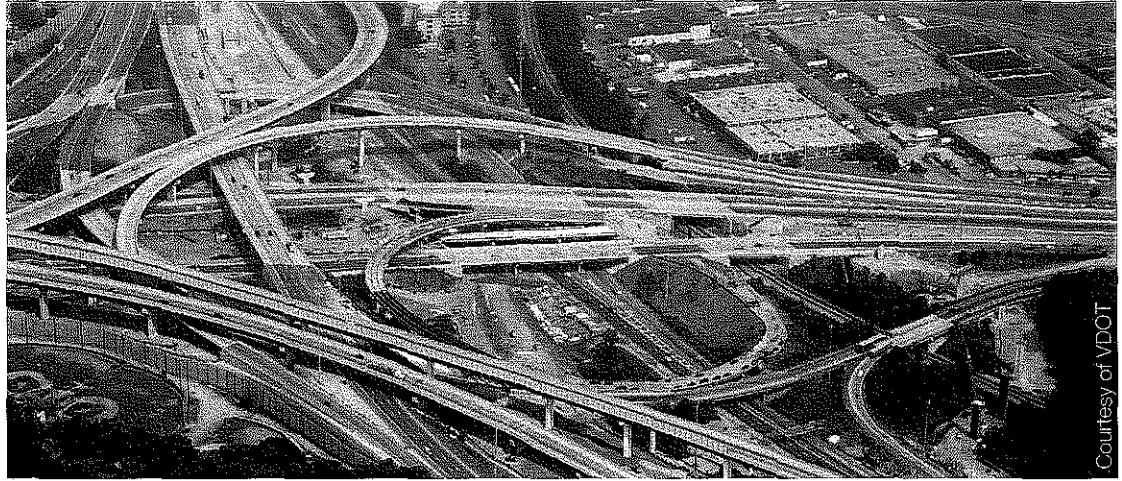
The production of crushed stone, sand and gravel is a basic industry, but one not well known to the American public, as few of our materials are sold directly to consumers. However, our products go into the manufacture of glass, paper, paint, pharmaceuticals, cosmetics, chewing gum, household cleansers and many other consumer goods. Our natural materials are essential for the safety, security and high quality of life of all Americans.

#### **Environmental Uses and Benefits of Stone, Sand and Gravel**

1. Erosion Control and Slope Protection
  - Dams
  - Roadways/Bridges
  - Shorelines/Navigation channels
2. Filtration
  - Sewage control
  - Wastewater Control
  - Drinking Water
3. Flue Gas Desulfurization
  - SO<sub>2</sub> reduction using limestone
4. Acid Neutralization
  - Streams
  - Lakes
  - Agricultural land
5. Reclamation of Mine Sites
  - Backfill
  - Land cover
6. Treatment of Landfill Leachate & Landfill Construction
  - Precipitates heavy metals from discharge
7. Construction of Water & Sewage Treatment Plants
  - Use of concrete
8. Coal Mine Dusting to Prevent Explosions
  - Non-combustible limestone

# 495 Capital Beltway Express Lanes

Fairfax County, VA



## Project Category

Bridges, Design-Build, Highways, Public-Private Partnerships (P3)

## Developer

Capital Beltway Express LLC

## Owner

Virginia Department of Transportation

## Contract Value

\$1.5 billion

## Project Benefits

- ✓ Supported 11,800 jobs
- ✓ Added \$3.46 billion to the local economy
- ✓ Offers faster travel choices and congestion relief which include:
  - Double the highway capacity of existing lanes
  - Less stop-and-go traffic
  - Improved opportunities for reliable bus service
  - Reduced cut-through traffic on local neighborhood streets

## Project Background

The Virginia Department of Transportation (VDOT) began studying short and long-term solutions to growing traffic congestion on 495/Capital Beltway in the late 1980s. In 2002, a private developer submitted plans to VDOT for High Occupancy Toll/Express lanes. The plans were selected in 2005 and became the most significant package of improvements to the Capital Beltway in a generation.

## Project Scope

Construction of four new general-purpose traffic lanes outside of the existing lanes on the Capital Beltway. The final product provides drivers with the option of paying dynamically priced tolls that vary every 60 seconds based on real-time traffic conditions.

## Project Description

Lane constructed two new lanes in each direction on a 14-mile stretch of 495 from the Springfield Interchange to just north of the Dulles Toll Road. The project encompassed the replacement of more than \$260 million of aging infrastructure, including more than 50 bridges and overpasses and 12 interchange upgrades including the I-95 interchange. Lane also built more than 70,000 linear feet of sound walls providing double the existing protection for local neighborhoods.

## Project Highlights

The \$1.5 billion construction project was delivered in November 2012, more than a month ahead of the December 20 deadline.

The project was built over a four year period with high traffic volumes, and achieved 5 million safe work hours in September 2012, making it one of the safest heavy civil projects in the U.S.

## About Lane

The Lane Construction Corporation is one of America's premier heavy contractors and the preferred partner to connect and improve the communities and the world in which we live. Founded by railroad engineer John S. Lane in 1890, Lane constructs quality bridges, highways, locks and dams and mass transit and airport systems in more than 20 states. Throughout its history of over 120 years, Lane has never failed to complete a contract.

# LANE

## The Lane Construction Corporation

90 Fieldstone Court | Cheshire, CT 06410 | 203 235 3351  
LaneConstruct.com



Federal



For more than 50 years, Lane has been entrusted by numerous Federal government agencies to perform hundreds of millions of dollars in a variety of Federal procurements.

Our resume ranges in diversity and complexity, and includes projects such as the Olmsted Lock and Dam for the U.S. Army Corps of Engineers, the reconstruction of Pennsylvania Avenue for the Federal Highway Administration and most recently a number of roadway reconstruction projects awarded by the National Park Service in the Mid-Atlantic and Northeast Regions of the country.

Lane understands the rigorous requirements imposed by the Federal Acquisition Regulations (FAR). We have worked with and have complied with the FAR through the procurement process and contract execution process, and periodically train our staff to ensure we are in compliance with all current Federal regulations.

Lane has endeavored to participate in Federal programs to help emerging small businesses. Lane is committed to help small business contractors succeed on every Federal contract. The company promotes attendance at business opportunity workshops, minority business enterprises, trade fairs, and conferences to attract and retain qualified small business subcontractors and teaming partners.

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### Current or recently completed projects:

- Reconstruction of Pennsylvania Avenue  
*(shown above)*
- Minute Man National Historic Park, MA
- Morristown National Historic Park, NJ
- Foothills Parkway, TN
- Dyess Air Force Base IDIQ, TX
- Fort Worth Naval Air Station, IDIQ, TX
- Kissimmee River CSX Bridge, FL
- Westover Air Reserve Base SATOC, MA
- Architect of the Capitol Tunnel Repairs, DC
- Acadia National Park, ME

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