

## ABOUT THE ACPA

The American Concrete Pipe Association (ACPA) was founded in 1907 by a group of drain tile manufacturers in Iowa.

The ACPA is a leader in the industry to deliver services to its members, industry professionals and owners of buried infrastructure and drainage structures. The ACPA provides consultants, specifiers and member companies with tools to promote and advance the use of concrete pipe and boxes for drainage and pollution control applications.

The ACPA is comprised of several committees that support member companies and the professional engineering community.

### *Want to Learn More?*

Information about the ACPA, including services, contacts, resource information and membership are easily accessible through the ACPA website at [www.concrete-pipe.org](http://www.concrete-pipe.org).



American  
**Concrete Pipe**  
Association

### *ACPA Preliminary Discussion on MAP-21*

- ❖ *On June 29, 2012, the U.S. House and Senate overwhelmingly approved legislation reauthorizing federal highway and mass transit programs for two years. The legislation is designated H.R. 4348, the "Moving Ahead for Progress in the 21<sup>st</sup> Century Act" (MAP-21).*
- ❖ *The bill was sent to the White House and President Obama signed it into law on July 6, 2012.*
- ❖ *The American Concrete Pipe Association was a strong supporter of the effort to enact this bill.*
- ❖ *Among the important provisions in the bill is a requirement that the U.S. Department of Transportation allow state transportation departments to determine-without any federal interference or guidance-the best choice of material for culvert pipes used in the construction of highways. The language reads:*  
  

*Section 1525  
STATE AUTONOMY FOR CULVERT PIPE  
SELECTION Not later than 180 days  
after the date of enactment of this Act, the  
Secretary shall modify section 635.411 of title  
23, Code of Federal Regulations (as in effect on  
the date of enactment of this Act), to ensure  
that States shall have the autonomy to  
determine culvert and storm sewer material  
types to be included in the construction of a  
project on a Federal-aid highway.*
- ❖ *The American Concrete Pipe Association has been working with the Congress to address culvert selection requirements for seven years.*
- ❖ *The association has already reached out to Federal Highway Administration (FHWA) officials and met with them in late July to discuss the new law, its implementation and guidance that will be provided to the individual states.*
- ❖ *We anticipate Guidance from FHWA prior to October 1, 2012 addressing the new law as it applies to culvert selection.*
- ❖ *The American Concrete Pipe Association Supports the new language and Defends the rights of the states to allow the engineer to select materials based on experience and local conditions.*

## OUR INDUSTRY AND ECONOMIC IMPACT

**Reinforced Concrete Pipe is the only pipe product that utilizes local raw materials. It is manufactured and transported by people that live and pay taxes in South Carolina. Incomes generated by a concrete pipe facility tend to support other community services and businesses that benefit from the overall legacy of high performance infrastructure. The economic health of a community is an important and correct consideration that engineers and designers must weigh when specifying pipe materials and products.**

**The Carolinas Concrete Pipe and Products Association (CCPPA, founded 1964) commissioned a review of a number of economic factors to evaluate the industry's impact on the North Carolina and South Carolina economies and to see where companies spend their money and how those funds return to the two states' economies. There are currently over 400 concrete pipe plants operating in the United States and Canada with 18 concrete pipe plants operating in North Carolina and South Carolina, which produced over a million tons of pipe for \$142.52 million in gross sales in 2004 — 2006. Assuming the revenue from sales creates three times that income as it goes back into the economy, the maximum value to the Carolinas' economy from the concrete pipe companies escalates to almost a half-billion dollars.**

**For a full economic impact report visit the technical information page at [www.ccpa.org](http://www.ccpa.org).**



## WHY CONCRETE PIPE

### **Durability**

Durability deals with life expectancy and the endurance characteristics of a material or structure. Durable is defined in Webster's New Collegiate Dictionary as, "able to exist for a long time without significant deterioration." Concrete is inherently a very durable material that will last indefinitely if it is designed properly for its intended environment and use. The capability of pipe to perform as expected for the service life of a project is a fundamental engineering consideration, especially in today's economic environment where requirements are being set in place to ensure infrastructures that last. The American Society of Civil Engineers (ASCE) gave the U.S. infrastructure a grade of D in 2001 after the attacks of Sept. 11. But the U.S. infrastructure earned an even worse grade of D minus in 2005. Because of the declining state of our infrastructure, and recent catastrophic failures like the I-35 Bridge in Minneapolis, professional organizations are stressing the need for products that last. The Army Corp of Engineers recommends a design life of 70 – 100 years for precast concrete pipe and there are installations that surpass those numbers.

### **Strength**

Concrete pipe is a rigid pipe system that is over 85% dependent on the pipe strength and only 15% dependent on the strength derived from the soil envelope. Flexible pipe is at least 95% dependent on soil support and the installation. Concrete pipe in comparison, has an unlimited range of pipe strengths from which to choose, and strength is demonstrated prior to installation. Concrete pipe can be designed and plant tested to resist any load required. The concrete pipe industry provides a variety of design aides on the website of the American Concrete Pipe Association to help the designer.

### **Trust**

By specifying concrete pipe, there is a reduced likelihood of failure and therefore a lower risk for the specifier, designer and owner of the project, and reduced overall liability to the public after the project has been commissioned. The higher the level of importance of the application, the more important it is to consider long-term performance, including confirmed structural strength in the decision of the pipe material to be selected. Concrete pipelines in critical applications have a history of high performance.



### **About the Carolinas Concrete Pipe and Products Association:**

#### **Our Mission:**

The Carolinas Concrete Pipe and Products Association represent the concrete pipe industry throughout the Carolinas. Our mission and commitment is to promote the virtues of concrete pipe while educating its users, specifiers and stakeholders at all levels of government and private entities. For more information, visit our website at [www.ccppa.org](http://www.ccppa.org).

#### **Relationship to the ACPA:**

While the CCPPA represents local interests related to reinforced concrete pipe and related products, the CCPPA collaborates with the American Concrete Pipe Association (ACPA) on national issues that affect the concrete pipe industry locally. Many CCPPA members actively support and participate on ACPA work committees and task groups.



Carolina's Concrete Pipe & Products Association  
P.O. Box 1673 • New Bern, NC • 28563  
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### **Carolina's Concrete Pipe & Products Association**

#### **Member Companies**





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**March 25, 2016**

Governor Nikki R. Haley  
1205 Pendleton Street  
Columbia, SC 29201

Dear Governor Haley:

On behalf of the Carolina's Concrete Pipe and Products Association (CCPPA), a Chapter of the American Concrete Pipe Association (ACPA), we respectfully request that you issue a proclamation officially recognizing the inaugural National Concrete Pipe Week in South Carolina. We will be celebrating this occasion during the week of August 14<sup>TH</sup>-20<sup>TH</sup>, and if possible, we would like to receive a proclamation by June 30<sup>th</sup>.

Since 1914, the American Concrete Pipe Association has been the spokesperson for the concrete pipe industry in all matters affecting the industry's welfare. The Carolina's Chapter of the ACPA has member plants in Greenville, Columbia, and Charleston that contribute to the improvement of our state by producing quality concrete pipe that is engineered to provide a lasting and economical solution to drainage and pollution issues. This inaugural observance, which takes place during the third full week of August, is designed to educate communities and their leaders on the importance of our state's infrastructure and its concrete pipe and precast manufacturers. Your proclamation declares the significance of reinforced concrete pipe and precast to the quality of life and affirms the contributions of the concrete pipe and precast industry to our state.

Concrete Pipe Week also serves as a time to recognize the contributions of concrete pipe manufacturers who provide a quality product to public and private owners who design, build, plan, operate, and maintain the transportation, water supply, water treatment and solid waste disposal systems, and other structures and facilities essential to South Carolina's economy and way of life. Their dedication and expertise are a capital investment in the economic growth, development—and ultimate stability—of our state. Therefore, we believe it is important for our state to honor this important industry and the people who comprise it.

I will be in contact with you to determine how we can provide assistance in issuing and presenting a proclamation. Should you have questions, please contact me at (864) 244-0370 or by email: [david@gossettconcretepipe.com](mailto:david@gossettconcretepipe.com).

Sincerely,

R. David Marchbanks, II  
President  
Carolina's Concrete Pipe & Products Association