



CONCRETE PIPE UNIVERSITY

WORKSHOPS

SEPTEMBER 2021 - JANUARY 2022

Production

Theory

Application

**September 3rd,
2021**

4.0 PDHs

Box Culvert Installation and Accelerated Precast Construction

This class highlights the proper technique for installing precast box culverts, creative DOT practices, and recent innovations as a way to save time with this durable bridge-replacement option. Accelerated Precast Construction (APC) focuses on replacement/repair of aging short span bridges and culverts. Learn how its innovative planning, design, materials, and construction methods reduce construction time and costs, while improving safety, durability and quality.

**October 1st,
2021**

4.0 PDHs

Pipe Flotation and Buoyancy

Understanding buoyancy is important when installing storm drainage structures and pipe. Applying the theory of buoyancy to the installation and maintenance of storm drainage has proven beneficial in the asset management process. We will address the theory of pipe buoyancy, susceptible scenarios for pipe flotation, and two recognized methods for calculating pipe flotation potential. We will close by identifying several best practices to prevent buoyancy from impacting culverts.

**November 5th,
2021**

4.0 PDHs

Trenchless Installation Strategies

A growing segment of pipe installation includes trenchless applications. They are less disruptive to traffic, communities, utilities and businesses. Trenchless installation saves time, saves money and improves roadway safety. It is important to know this competitive option. As our nation's infrastructure approaches its service life, the trenchless pipe procedure is a beneficial option worth researching.

**December 3rd,
2021**

4.0 PDHs

Precast Concrete Production / Precast Installation

Improved machines and methods produce higher quality pipe and precast products. In this class we review common production methods, component materials, techniques, and equipment used to produce a consistently high-quality product. We also reviews the mix designs that provide optimum strength and density for a durable product. Properly installing precast structures ensures they function as-intended while maintaining the integrity of the roadways. Understanding the precast structure process, yields greater savings in time and money. We will walk through design, production and installation of precast.

**January 7th,
2021**

4.0 PDHs

Excavation and Trenching Safety

In the United States more than 800 construction workers die every year while on the job. One of the most dangerous types of work is trenching, which kills 40 construction workers every year. The Occupational Safety and Health Administration's (OSHA) Excavation standards, 29 Code of Federal Regulations (CFR) Part 1926, Subpart P, contains requirements for excavation and trenching operations. This training highlights key elements of the standards and describes safe work practices that can protect workers from cave-ins and other hazards.

REGISTRATION

To learn more and register: ConcretePipe.org/Workshops