P3 ONLINE TRAINING

Fundamentals | Installation/Inspection | Manufacturing

P3 TRAINING
Learn the fundamentals of concrete pipe while gaining a better understanding of the manufacturing, installation, and inspection process in this online, four day P3 course. Consisting of three different modules spread out over four weeks, P3 empowers students with the ability to raise awareness about concrete pipe and precast to positively help influence the pipe selection process.

MODULE 1: FUNDAMENTALS
The Fundamentals course starts with the history of the reinforced concrete pipe industry and the birth of the ACPA in 1907. It takes an in-depth look at the general differences between rigid and flexible pipe, delivers a review of hydraulic design for storm drainage systems, and concludes with basic pipe design methods.

MODULE 2: MANUFACTURING
The Manufacturing course reviews the manufacturing and quality control processes that give concrete pipe and box culvert producers their ability to manufacture durable products with a service life of more than 100 years. It reviews the materials needed to make the products, the methods used to repair products, along with an overview of ACPA’s QCast Program.

MODULE 3: INSTALLATION & INSPECTION
The Installation & Inspection course focuses on the proper installation and inspection for pipe and box culverts and why a properly installed pipe should remain in service for 50 to 100 years. Students will gain a clear understanding of the issues they will encounter with RCP and precast box culverts prior to, during, and post-installation.

STUDENT SCHEDULE
8:00am - 8:30am
Introduction (live)

8:30am - 9:45am
Independent Work Lectures, Quiz, Assignments

9:45am - 10:15am
Discussion (live)

10:15am - 11:30am
Independent Work Lectures, Quiz, Assignments

11:30am - 12:00pm
Discussion (live)

12:00pm - 12:30pm
Lunch

12:30pm - 1:45pm
Independent Work Lectures, Quiz, Assignments

1:45pm - 2:15pm
Discussion (live)

2:15pm - 3:00pm
Independent Work Lectures, Quiz, Assignments

3:30pm - 4:00pm
Discussion (live)