



# 2021–2022 Course Brochure

ROAD INSTITUTE®



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# Paver Operation & Maintenance

**Objective:** To utilize applied training techniques to instruct paving best practices to those people with interest or responsibility in the operation / management of contemporary paving equipment. To operate a paver to its fullest potential, while achieving the highest quality work, and not sacrificing production or increasing costs.

**Who should attend:** Any individual with interest in, or responsibility for, the laydown of HMA, WMA, SMA, or Thinlays™.

**Duration:** 3.5 Days (2 full days hands-on)

**Course location:** Orlando, FL

## Description:

- Paving safety
- Materials discussion-HMA, SMA, WMA, Thinlays™
- Paver operation overview
- Paver preparation
- Paver and screed operation
  - Hands-on paver set-up and operation
  - Joint construction
  - Screed operation
  - Troubleshooting mat defects
  - AGS operation w/Blow-Kontrol or Topcon
- Compactor operation overview
  - Why is compaction important
  - Best practices Checklist
- Maintenance procedures



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to register

# Paving Application Seminar

**Objective:** To utilize applied training techniques to teach paving best practices to those people with responsibility for or interest in operation / management of contemporary paving equipment. To use a paver to its fullest potential while achieving the highest quality work without sacrificing production or increasing costs.

**Who should attend:** Any individual with interest in, or responsibility for, the laydown of HMA, WMA, SMA, or Thinlays™.

**Duration:** 2 Days (classroom only)

**Course location:** Chambersburg, PA

**Description:** Best practices in paving



- Paving safety
- Materials discussion-HMA, SMA, WMA, Thinlays™
- Paver operation overview
- Paver tractor and screed operation
  - Proper machine setup
  - Controlling factors affecting screed
  - Managing material through paver
  - Achieving a quality mat
  - Joint construction
  - Automatic controls and referencing systems
  - Paver maintenance
  - Troubleshooting mat defects
- Compactor operation overview
  - Why is compaction important
  - Best practices Checklist
- Maintenance procedures

# 10' Basic Machine Course - PF-7000B Series

**Objective:** To familiarize technicians with the hydraulic, electrical, and material control systems of the Blaw-Knox PF-7000/PF-7000B series pavers. This will include hands-on troubleshooting.

**Who should attend:** Anyone responsible for the service and / or repair of the Blaw-Knox PF-7000/ PF-7000B series pavers.

**Duration:** 4.5 Days

**Course location:** Chambersburg, PA

## Description:

- Paving safety
- Electrical and hydraulic schematics and control systems
- Paver diagnostic tools
- Examine and troubleshoot screed heating system
- Mechanical adjustment of Blaw-Knox screeds
- Simulate paver set-up
- Automatic Grade & Slope (AGS) systems with a PF-7000/PF-7000B
- Hands-on exercises used throughout the course



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# 8' Basic Machine Course - PF-4410B / PF-5000B Series

**Objective:** To familiarize technicians with the hydraulic, electrical, and material control systems of the Blaw-Knox pavers. This will include hands-on troubleshooting.

**Who should attend:** Anyone responsible for the service and / or repair of the Blaw-Knox pavers; PF-4410B and PF-5170B / PF-5110B.

**Duration:** 4.5 Days

**Course location:** Chambersburg, PA

## Description:

- Paving safety
- Examine electrical and hydraulic systems
- Examine screed heating system
- Simulate paver set-up
- Automatic Grade & Slope (AGS) systems and troubleshooting
- Hands-on exercises used throughout the course



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# Paver Advanced Diagnostics

**Objective:** Methodical troubleshooting in theory and practice using Service Manuals, laptops, Techtool, Service Analyzer and special tools. In-depth course on the machine's electrical and hydraulic sub-systems and functions.

**Who should attend:** Dealer technicians who have already completed either of the two basic paver machine courses within the last year.

**Duration:** 4 Days

**Course location:** Chambersburg, PA

## Description:

- Address a machine-related customer complaint with knowledge and confidence
- Possess the ability to find the relevant information to handle a machine-related customer complaint
- Have the ability to perform troubleshooting basics
- Demonstrate the use of the tools for troubleshooting.
  - Have the ability to check and adjust sub-systems and components according to the service literature



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# Hotel and Transportation Information

## **Factory Training Facilities:**

**1280 Superior Ave.  
Chambersburg, PA 17201**

## **The closest airports are:**

Harrisburg, PA (MDT) 75 min. away  
Baltimore, MD (BWI) 120 min. away  
Washington DC (IAD) 120 min. away

## **Hotels available near the Chambersburg facility:**

Country Inn & Suites - Phone: (717) 261-0900  
Springhill Suites by Marriott - Phone: (717) 263-1300  
Holiday Inn Express - Phone: (717) 709-9009  
Hampton Inn - Phone: (717) 261-9185

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## **Orlando Training Facility:**

**5201 N Orange Blossom Trail  
Orlando, FL 32810**

## **The closest airport is Orlando International:**

Airlines that fly into Orlando: All major airlines

## **Hotel for the Orlando facility:**

Hilton Orlando / Altamonte Springs  
Phone: (407) 830-1985

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Transportation between airport and hotel and to and from training is the responsibility of the student.

## MEET OUR TEAM



**Raymond (Ray) Burn**

Ray has 41 years experience with Blaw-Knox pavers; beginning with his first two years at BLAW-KNOX UK; spent completing full tractor & screed overhauls and visiting unit on job sites to learn applications. After this he was promoted to field service engineer repairing machines and placing new unit into service with end users. Followed by a promotion to international field service engineer assisting dealers with trouble shooting training and new machine startups all over the world. In 1998 he transferred to Mattoon, IL as the international product support manager. Today, he supports all dealers in the southern half of the U.S. with technical / application issues and he will be assisting the Road Institute® perform training classes in PA and FL.



**Wayne Tomlinson**

Wayne has 32 years of experience in roles related to equipment service, system specification and training. In 1999, Wayne joined the road machinery business as a Technical Service Representative assisting dealers and customers with compaction products. Since 2004, he's been the Road Institute® Training Specialist conducting operation and applications training for asphalt and soil compaction products. For the last several years, he has coordinated and guided the paving best practices training available at the Road Institute.



**James Thomas**

James has over 31 years of experience in heavy equipment service and repair. He has worked as a John Deere Technician as well as a heavy truck Technician. James joined Volvo in 2010 and worked in the Assembly Department as a Team Leader on the Grader and Large Compaction Lines. In 2012 James was promoted to The Technical Support Team for excavators. While working in Technical Support he assisted Dealers with hydraulic, electronic and powertrain related technical issues. In 2015 he was promoted to The Technical Training Team at Letterkenny. He is a Certified Trainer with expertise in Pavers, Articulated Haulers and PT transmissions. James also is an Instructor for The Road Institute and has provided Paver Technical Training to Technicians and Customers. His expertise in pavers has assisted in developing a Customer as well as Dealer Technician training programs.



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