



**PENNDOT BITUMINOUS
FIELD TECHNICIAN
CERTIFICATION PROGRAM
2005-2006**

The PENNDOT Bituminous Field Technician Certification Program includes a two-day review course for technicians directly involved with bituminous pavement construction, testing and inspection, with a written examination on the third day. The review course is based primarily on the National Highway Institute course, "Hot Mix Asphalt Construction", developed by the joint AASHTO/FHWA/INDUSTRY Training Committee on Asphalt. A series of documents will be provided to course participants. These documents will include materials from the National Highway Institute Course Participant Manual and the Hot-Mix Asphalt Paving Handbook along with pertinent Pennsylvania Test Methods and PENNDOT Publication 408 Specifications.

This is a review, not a training course. Therefore, a working knowledge of basic pavement construction principles and procedures is necessary. **A minimum of one full hot-mix asphalt construction season (6-months) of experience and recommendation by signatures of a Certified Bituminous Field Technician or company Field Superintendent and a PENNDOT District Assistant Construction Engineer (ACE) or their designate is required to qualify for this program.** The certification period is five years. Renewal may be obtained according to procedures described in PENNDOT Pub. 351.

Course lectures and the manuals listed above are supplemented by slides, videos, overheads and various handouts including workshop problems and practice quizzes formatted as the examination. The examination is open book, consisting of multiple choice and true/false questions. There will be at least two versions of the test. Each participant scoring 70 percent or better will be certified and sent a PENNDOT Bituminous Field Technician certificate, wallet card and hard hat sticker within approximately three to four weeks.

- **Picture identification is required.** Identification will be verified upon check in and on the day of the examination. Applicants will not be allowed to take the examination without picture ID.
- Participants should bring a calculator and pencils/pens to class. A No. 2 pencil is required to fill out the exam answer sheets for computer grading.
- Frequent informal breaks will be given at the instructors' discretion. Morning beverage/snack breaks will be provided all three days; lunch and afternoon beverage/snack breaks the first two days.

FIELD TECHNICIAN REVIEW COURSE AGENDA *

| Day | Time | Topic |
|------------------|-------------------------|--------------------------------|
| Day 1 | 8:00 – 8:30 a.m. | Check In |
| | 8:30 – 8:45 a.m. | Orientation |
| | 8:45 – 9:30 a.m. | Introduction |
| | 9:30 – 9:40 a.m. | Break |
| | 9:40 – 12:00 noon | PENNDOT – Specifications/PTM's |
| | 12:00 noon – 1:00 p.m. | Lunch |
| | 1:00 – 2:00 p.m. | Surface Preparation |
| | 2:00 – 2:15 p.m. | Break |
| | 2:15 – 3:15 p.m. | HMA Delivery |
| | 3:15 – 4:15 p.m. | Joint Construction |
| Day 2 | 8:00 – 10:15 a.m. | HMA Placement |
| | 10:15 – 10:30 a.m. | Break |
| | 10:30 – 11:30 a.m. | HMA Placement |
| | 11:30 – 12:00 noon | Compaction |
| | 12:00 noon – 1:00 p.m. | Lunch |
| | 1:00 – 2:15 p.m. | Compaction, continued |
| | 2:15 – 2:30 p.m. | Break |
| | 2:30 – 3:15 p.m. | Segregation |
| 3:15 – 4:00 p.m. | Summary/Troubleshooting | |
| Day 3 | 8:00 – 8:30 a.m. | Review/ Question and Answer |
| | 8:30 – 11:30 a.m. | Examination |
| | 11:30 a.m. | Dismissal |

*Agenda is subject to change