

Wisconsin Program Presentation

P UNIVERSITY OF WISCONSIN
PLATTEVILLE

Highway Technician
Certification Program

2025

Agenda

- Introductions
- Wisconsin's HTCP Program
 - Program Set-up with Location Details
 - Certification Recap
 - IA Rodeo Events
 - What's New
 - Kahoot: Classroom Engagement
 - Customer Relationship Management (CRM) Tool
 - Content SharePoint
 - Continued Success
 - Instructor Workshop
 - Mentoring Program
 - What's Coming
 - AASHTOWare

HTCP Team

Director:
Jodi Pluemer



Associate Director:
Amy Pennekamp



Outreach Specialist:

- Sandi Pitzen
retired 6/4/25
- Beth Ambort
starting 7/28/25

Wisconsin Department of Transportation (WisDOT)



WisDOT Independent Assurance (IA) Coordinator:
Adam Johnson

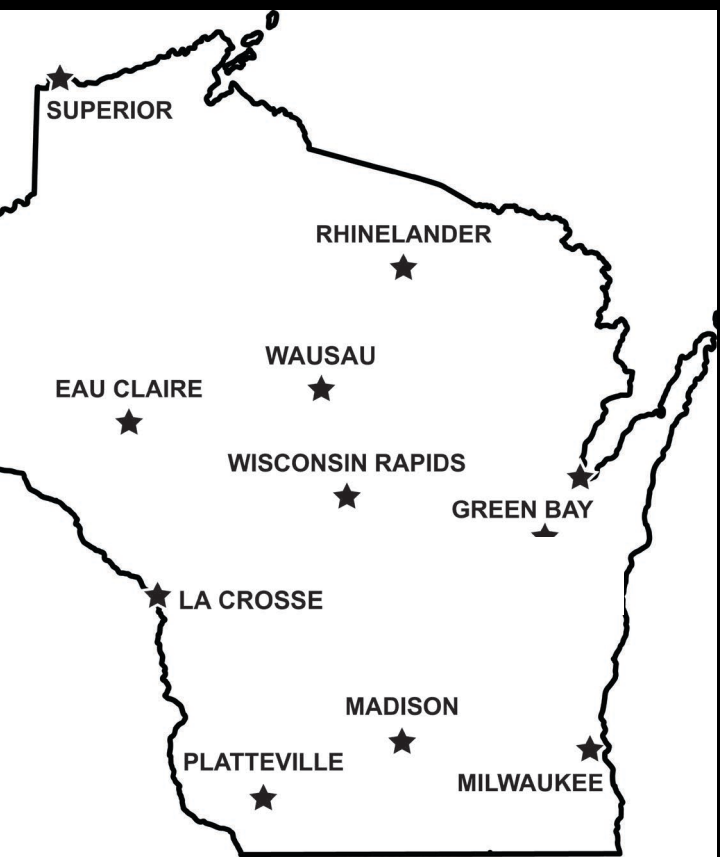


Program Set-up

Wisconsin Highway Technician Certification Program

- Memorandum of Understanding (MOU) b/w UW-Platteville & WisDOT
- Established in 1991: 34 years
- Advisory Board:
 - FHWA, WisDOT, Industry & Associations
- 14 different certifications:
 - Aggregate, Concrete, Asphalt, Soils, Nucleon Density, Profiling
 - 3-year term
- In-Person & Online Training
 - Approximately 70 Class events a year

Wisconsin Highway Technician Certification Program



- Over 50 HTCP Instructors made up of Industry, Associations & WisDOT
- Offer training at 10 sites throughout Wisconsin
- Approximately 2,000 certifications a year
- Approximately 8,000 active certifications on file

Locations

UW-Platteville: Approx 20% of events

- Winterim, Spring Break and Summer
- Classroom and large lab space for HMA, PCC, Aggregates



Classroom



Multi Use: Large Lab Space

Locations

UW-Platteville: Approx 20% of events

- Large lab space for HMA and Aggregates



HMA Lab Space



HMA & Aggregate Lab Space

Locations

UW-Platteville: Approx 20% of events

- Large lab space for HMA and Aggregates



Inside Aggregate Storage



PCC & Aggregate Lab Space

Hotel Venues

Hotel Venues: Classes and Testing Events

- Classes host lecture section close in proximity to lab
- Testing Events



Class Lecture



Testing Events

WisDOT Locations

WisDOT: Classes and Laboratory Space

- Rent WisDOT space: Lecture in meeting rooms and laboratory



Green Bay



Madison

Wisconsin Highway Technician Certification Program

Implemented New PCC Certification for 2025

- Concrete Mix Design Course:
 - Need to improve and drive knowledge/awareness around the process of reviewing Concrete Mix Design paperwork/documentation
 - Incorrect units
 - Missing information
 - Incorrect information
 - How to locate correct forms
 - Who: Technicians reviewing/approving concrete mix designs
 - 1 day course
 - No prerequisite needed
 - No laboratory – lecture only
 - Minimal Fee



HIGHWAY TECHNICIAN
CERTIFICATION PROGRAM

35th

ANNIVERSARY

1991–2026

Wisconsin Highway Technician Certification Program

- 2026 Schedule Details:
 - Schedule Go Live: September
 - Registration Go Live: October
 - Classroom Training: January – June
 - Online Training: Year Round
 - Materials Coordinator
 - Assistant Certification Technician (ACT) Program



Wisconsin Highway Technician Certification Program

Aggregate

TMS: Transportation Materials Sampling: **\$325**

AGGTEC-I: **\$725**

ATTS: Aggregate Transportation Testing System: **\$550**

Portland Cement Concrete

PCC MIX DESIGN: **\$325**

PCCTEC-I: **\$550**

PCCTEC-II: **\$800**

CST: Concrete Strength Tester: **\$325**

Hot Mix Asphalt

HMA-IPT: Introduction to Production Testing: **\$800**

HMA-TPC: Trouble Shooting/Control: **\$550**

HMA-MD: Mix Design: **\$800**

Other

GRADINGTEC-I: **\$725**

NUCDENSITYTEC-I: **\$425**

Profiler: **\$400**

Materials Coordinator Training – **(ONLINE ONLY): \$150**



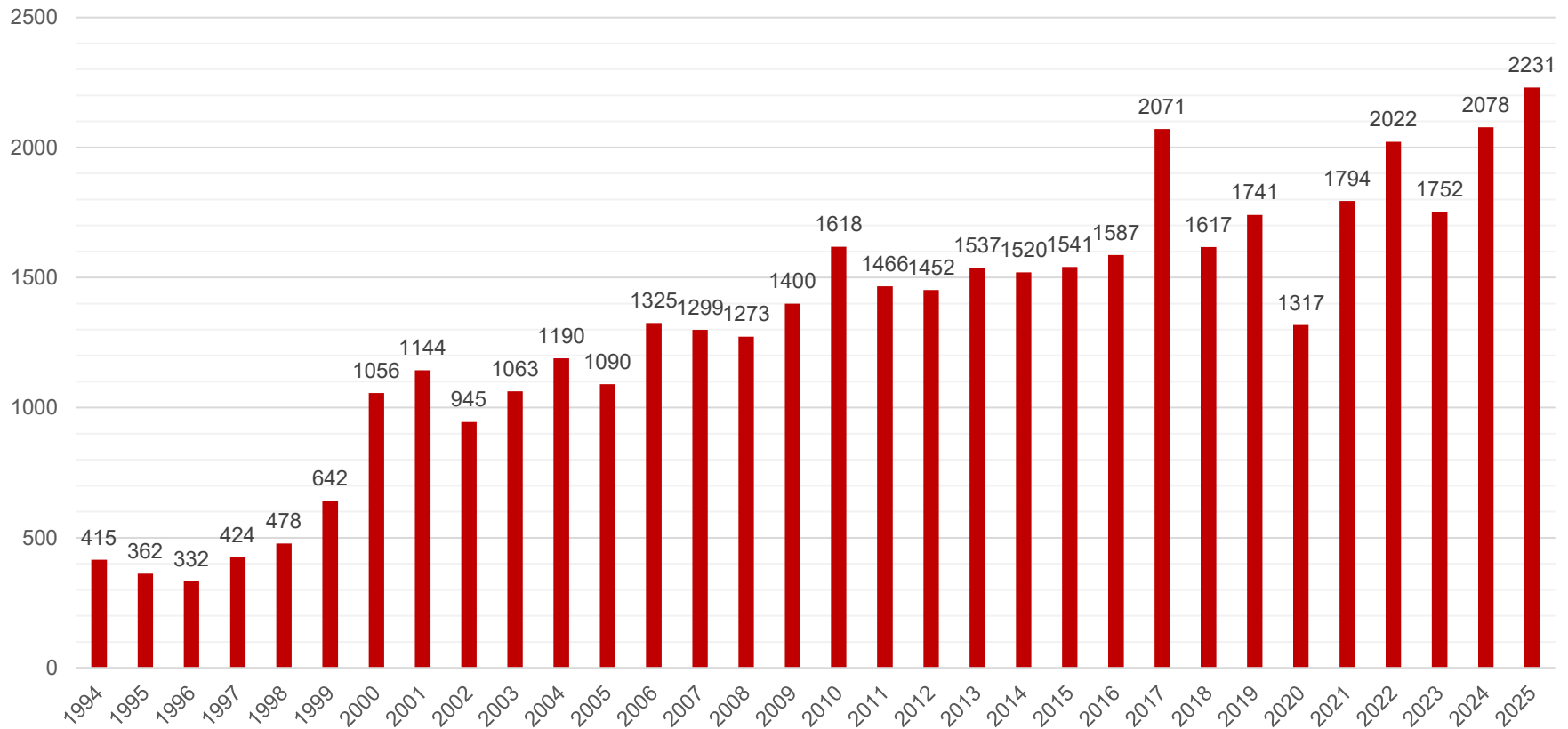
Certification Recap



HTCP 3-Year Program

Approx. 8,000 Active
Certifications

3-Year Certifications by Year



IA Rodeo Events

2025 IA Rodeo Events

Another tool in our toolbox in the quest to achieve 90% IA evaluation rate coverage.

- 4 locations vs 2 in 2024.
 - Southeast Region (Milwaukee)
 - Southwest Region (Arlington)
 - Northeast Region (Oshkosh)
 - Northwest/North Central Region (Thorp)
- Evaluations performed on:
 - Aggregate Sampling (TMS/AGGTEC-I)
 - Concrete Mix Testing (PCCTEC-I)
 - HMA Nuclear Density Testing (Nucdensity)
- HTCP sent invites to those with appropriate certifications.
- Used Signup Genius to have techs sign up for events.





-What's New
-Continued Strength
-What's Coming

What's New

2025 Classroom Engagement: Kahoot

A game-based student response system where the classroom is temporarily transformed into a game show where the teacher is the host and the students are the contenders using either their phone, tablet, or computer.





What's New

- **Benefits of Using Kahoot in Adult Learning**
 - Increased engagement and participation
 - Instant feedback from learners
 - Promotes collaboration and teamwork
 - Fun and interactive way to reinforce concepts

What's New

The Salesforce logo, which consists of a blue cloud shape with the word "salesforce" in white lowercase letters inside it.

salesforce

Technology/Online Strategies

- 2018: Launched Salesforce Database
- 2025: Implemented HTCP Portal
 - Layering in self-servicing portal:
 - Creates password protected registration and corrects security risk
 - Creates transcript capabilities
 - View historical class detail
 - View current registrations
 - Ability to review/print certificates

What's New



Technology/Online Strategies Cont'd

- 2025-2026: Building Instructor Hub
 - Layering into HTCP Portal
 - Access granted to instructors within their HTCP Portal account
 - Allows instructors the ability to critical class information.
 - View/download class rosters
 - Class detail information
 - Process exam grades
 - Instructor certificates for PDHs
 - Class survey details
 - Electronic Instructor Contracts w/ Review & Signature Automation



What's New

Technology/Online Strategies Cont'd

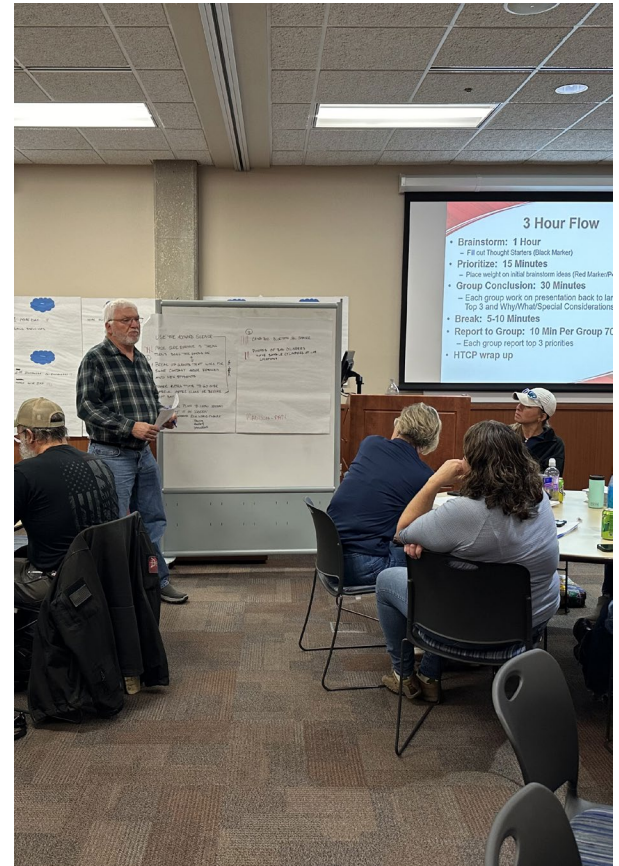
- 2025-2026: Course Content SharePoint
 - Building and implementing a content depository of class instructor materials
 - Inclusive of class PowerPoint presentations, worksheets, training videos, review questions, exam.
 - Eliminates instructor flash drives, granting immediate access to the most recent versions of course files.



Continued Success

Instructional Development Workshops

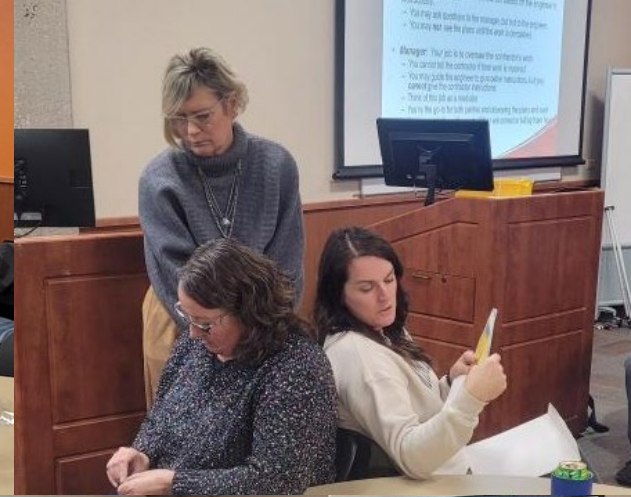
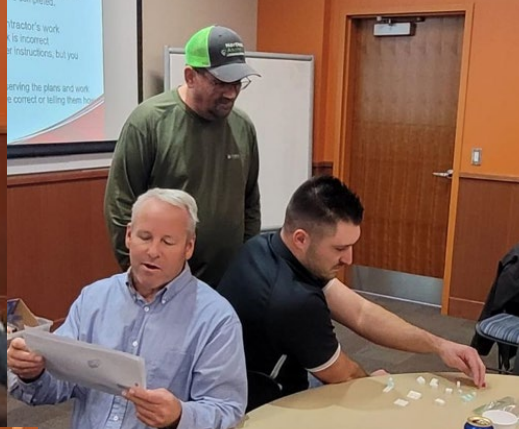
- Hosted at UW-Platteville: Upcoming 5th annual
- Main/Lab Instructors
- Agenda:
 - HTCP Updates/ How To's (IT/Kahoot)
 - WisDOT/FHWA Touchbase
 - Review of Safety Videos for 2025 Instruction
 - Lego Team Building Activity
 - Presentation Skills & Strategies
 - Principles of Learning
 - Classroom Management/Dealing w/ Difficult Students
 - Increase Motivation among Learners
 - Brainstorming by Course Certification Priorities
 - Awards



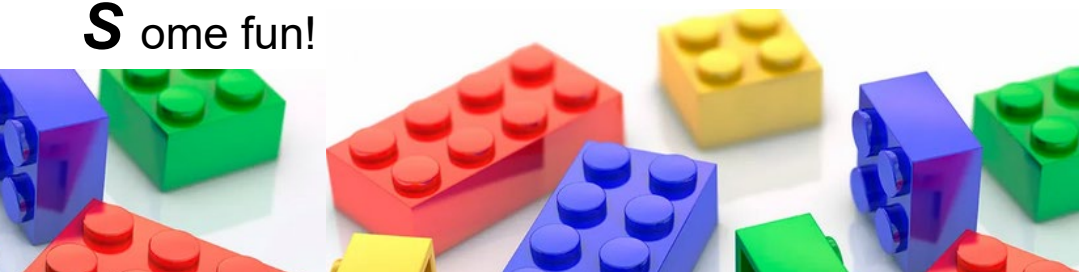
Instructor Workshop



Group Activity



Listening to
Everyone
Give directions,
Organize and troubleshoot while having
Some fun!





HTCP Awards

Oscars have solid gold...

HTCP Awards

HTCP have
hallow gold-like
plastic...



HTCP Awards



Above & Beyond



It Takes a Village



Tough Mudder



At the Ready

Continued Success

Mentoring Program

- Retirement/New Positions:
 - Hitting 50% of the certifications
- Recruiting methods:
 - Attending variety of conferences, engaged interest level
 - Leveraged existing instructor input from WisDOT and Industry pool
- New instructor mentoring/training:
 - Began in 2022 with online as TA role
 - Continued in 2023 F2F with mentoring under main instructor
 - 2022/23 New Instructors: 12 across main/lab
 - 2024 New Instructors: 5 main/lab
 - 2025 New Instructors: 7 main/lab
 - 2026 Scheduled to continue

Continued Success

Content Development:

- Continue to build our resources of videos across all materials
- Online manuals and videos accessible to all

UNIVERSITY OF WISCONSIN PLATTEVILLE Academic

Home / Highway Technician Certification Program / Training Resources & Videos /

TRAINING RESOURCES & VIDEOS

Click on a category below to review training documents and videos.

AGGTEC-I	+
ATTS	+
ATTS & GRADINGTEC-I	+
CST	+
HMA-IPT	+
HTCP PORTAL/REGISTRATION	+
NUCDENSITYTEC-I	+
PCC-MDC	+

Advisory Board

Assistant Certified Technician Program

Certification Lists

Courses & Manuals

HTCP Portal/Registration

Industry Resources

Policies & Procedures

Quality Management Program Award

Schedule

Three Year Certification

Training Resources & Videos

Directory



What's Coming

AASHTOWare

- **Progress Report from WisDOT:**

- WisDOT is continuing implementation activities for the AWP Materials Module.
- The Goal(s): Provide input capability to capture Agency/Contractor/Supplier test results, and to more efficiently Track/Document/Support/Report contract acceptance actions.
 - Construction Staff and Materials Personnel have formed additional collaborative Teams to review proposed AWP System Configurations.
 - Material Users training tools are concurrently being drafted to be incorporated into the existing WisDOT AWPKB site: WisDOT AASHTOWare Project™ (AWP) home
 - Currently in shadow project selection phase.
 - Pilot project phase (2026).
 - Implementation on all projects (2027/2028).



Questions?

Contact Information:

Jodi Pluemer, Director
Highway Technician Certification Program
University of Wisconsin-Platteville
Phone: 608.342.1580
Email: pluemerjo@uwplatt.edu