Who is TCCC?
• Formed in September of 2000

• TCCC’s priority is rebuilding the highway transportation work force

• Demand for new skills and knowledgeable transportation personnel
Our Mission

• Develop and maintain a national curriculum for various transportation disciplines

• Identify training and certification requirements

• Coordinate/facilitate training efforts
Our Partners

- State Departments of Transportation
- Federal Highway Administration
- AASHTO
- Highway transportation industry
- Industry Associations
Course Development Process

• Course development subcommittee provides:
  – Resources for designing trainings
  – Resources for developing trainings

• Trainings built using Subcommittee’s network of diverse partners
  – Private industry
  – Subject matter experts

• Trainings requests
  – All areas of the country and all disciplines
  – Discussed and prioritized via a thorough review process
Who has TCCC reached?
TCCC ILT Training Development

- Drilled Shafts
- Driven Piles
- Maintenance Academy
- Bridge Inspection
TCCC WBT Training Development

- 2008
  - 6 WBTs Developed
  - 13 Instructional Hours
- 2009
  - 15 WBTs Developed
  - 53 Instructional Hours
- 2010
  - 33 WBTs Developed
  - 61 Instructional Hours
• 2011
  – 16 WBTs Developed
  – 35 Instructional Hours
  – Updated 3 Courses
• **TCCC**
  - TCCC trainings are all available for free
  - Provide the published trainings for internal state LMSs, state intranets, and other state training needs
  - Distributing these trainings directly to the states guarantees that potential participants within those states can access training
  - Questionnaire that provides us with important information about their state’s technical requirements, contact information, and needs

• **States**
  - Supply quarterly participation numbers and update trainings when we provide new versions
TCCC State Sharing Program

- **2009**
  - 5 States Involved
  - 5,800 Participants Reached
  - Alabama – Ethics Awareness Statewide Required Statewide

- **2010**
  - 10 States Involved and NDSU
  - 4,300 Participants Reached
  - Quarterly Training Delivery

- **2011**
  - 10 States Involved and NDSU
  - 3,115 Participants Reached
  - Quarterly Training Delivery
2011 Participants by State

Please note that the legend has doubled since 2009.
2011 Participants by Industry Type

- SG: 48%
- Private: 23%
- MPO: 11%
- Other: 7%
- FG/OFG: 9%
- LG: 11%
- INTL: 1%
- ACAD: 0%
- RPA: 0%
What TCCC trainings and resources are available?
## TCCC Core Curriculum Matrix

<table>
<thead>
<tr>
<th>SUBJECT AREA</th>
<th>DISCIPLINES</th>
<th>PERSONAL QUALITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work Place Behavior</td>
<td>Work Habits/Image</td>
<td>Has positive attitude toward themselves and others</td>
</tr>
<tr>
<td>Professional Image</td>
<td></td>
<td>Willingness to learn and accept responsibility</td>
</tr>
<tr>
<td>Interpersonal Skills</td>
<td>Interpersonal Skills</td>
<td>Responds appropriately to needs, feelings, and capabilities of people</td>
</tr>
<tr>
<td>Managing Multiple Priorities</td>
<td>Time Management</td>
<td>Practices basic time management and uses some time management system</td>
</tr>
<tr>
<td>Conducting Meetings</td>
<td>Stress Management</td>
<td>Understands what stress is and how it may work for them</td>
</tr>
<tr>
<td>Stress Management</td>
<td>Ethics</td>
<td>Adheres to high standards of integrity; Practices ethical behaviors and expects it of others</td>
</tr>
<tr>
<td>Ethics in the Workplace</td>
<td>Flexibility</td>
<td>Is open to change</td>
</tr>
<tr>
<td>Flexibility</td>
<td>Service Motivation</td>
<td>Customer service is a way to do business</td>
</tr>
<tr>
<td>Vision</td>
<td></td>
<td>Understands the organization’s vision</td>
</tr>
</tbody>
</table>

**COMPETENCIES BY SKILL LEVELS**

| Level I                           | Level II                                     | Level III                              | Instilling work habits and image that are important for self and team | Understands professionalism on the job and deals professionally with public and coworkers | Mentoring others in development of their skills | Establishes the expectation workforce for management | Coaches others to do effective stress management techniques. Underst organization support available for employee | Creates an environment in which flexiblity is encouraged and demonstrated | Creates an environment in which quality customer service is encouraged and demanded | Develops the vision that establishes and meets expectations. |
The NTTR Online Database is a resource for transportation training resources, supporting the development of the transportation workforce. It offers a search function to find resources through various criteria such as title, description, keywords, audience, and objectives. The database contains a variety of resources categorized under different titles and organizations, with the length of each resource specified. The featured organization is TCCC.
WBT Courses Developed by TCCC

- Basic Materials for Highway
- Ethics Awareness for the Transportation Industry
- Basic Construction and Maintenance Documentation - Improving the Daily Diary
- Math Module
- Hardened Concrete Properties - Durability*
- GPS Technology
- Construction of PCC Pavements
- Portland Cement Concrete Paving Inspection
- Mix Design Principles
- Concrete Pavement Preservation
- Concrete Series (IMCP Manual)
- Plan Reading
- Fundamentals of Materials Used for Concrete Pavements
- Incompatibility in Concrete Pavement Systems
- Early Age Cracking
- Basics of Cement Hydration
- Fresh Properties
- Construction of Concrete Pavements
• QCQA for Concrete Pavements
• Design of Pavement
• Troubleshooting for Concrete Pavements
• Preventive Maintenance and Pavement Preservation Concepts
• Concrete Pavement Evaluation
• Slab Stabilization and Slab Jacking
• Partial-Depth Repairs
• Full-Depth Repairs
• Retrofitted Edge Drains
• Load Transfer Restoration
• Diamond Grinding and Grooving
• Joint Resealing and Crack Sealing
• Strategy Selection
• Testing Self Consolidating Concrete
• HMA Paving Inspection
• Advanced Self Consolidating Concrete
• Bolted Connections
• Basic Construction Surveying
• Recognizing Roadside Weeds
WBT Courses Developed by TCCC

- Plan Reading Series (Updated)
- Plan Reading: Highway Plan Reading Basics
- Plan Reading: Grading Plans
- Plan Reading: Traffic Control Plans
- Plan Reading: Erosion and Sediment Control Plans
- Plan Reading: Right-Of-Way Plans
- Plan Reading: County Plans
- Plan Reading: Bridge Plans
- Plan Readings: Culvert Plans
- Safety Orientation
- Safe Use of Hand and Power Operated Tools
- Safe Use of Basic Carpentry Tools
- CDL General Knowledge
- CDL Air Brakes
- CDL Pre-Trip Inspection
- Maintenance of Traffic for Technicians
- Maintenance of Traffic for Supervisors
- Superpave Mix Design Process and Analysis
WBT Courses Developed by TCCC

- Flagger Training
- Pipe Installation, Inspection, and Quality
- Maintenance of Drainage Features for Safety
- TCCC Chip Seal Best Practices
- TCCC Roller Compacted Concrete Pavements
- TCCC Superpave for Construction
- TCCC Aggregate Sampling
- TCCC Materials Testing: Reducing Aggregate
- TCCC Earth Materials as Engineering Materials
- TCCC Site Preparation
- TCCC Change Orders, Claims, and Dispute Resolutions
- TCCC Bridge Construction Inspection: Inspectors Safety
- TCCC PPE and High Visibility Garments
State Contributions

• Pooled Fund TPF 5(209)– Contributors
  – California
  – Georgia
  – Idaho
  – Iowa
  – Louisiana
  – Michigan
  – Minnesota
  – Missouri
  – Nebraska
  – Oregon
  – South Carolina
  – Texas
  – Washington
Other Support

- Office of Asset Management
- NHI
- AASHTO
- Volunteers
NTTD Support To Continue TCCC Efforts

- Marketing
  - Make Sure All Areas of Your State are Aware of TCCC’s work and courses
  - Volunteer to Contact a State That Isn’t Attending This Week and Explain TCCC’s Actions and Needs

- Pooled Fund Contributions
  - Work with Each State’s SPR Contact
  - Find Out if Other Money is Available

- Fund Raising Efforts
  - Grants, Other Ideas??
How can State Partners Support TCCC:

- Provide financial support to Pooled Fund (TPF – 5(209))
- Volunteer for Technical Panels for Course Development
- Contribute a course to the NTTR that you or your state/organization has developed
- Volunteer on TCCC committees that collect, analyze and develop training resources
Thank You

Remember
Support is the key for a Training Program’s success

Financial
Technical Advise
Provide Courses
Resolution support
Learn More About TCCC

- World of transportation training resources at your fingertips
- Share the wealth of your State's expertise
- Contact TCCC today!
  - Howe Crockett
    - Western Federal Lands
    - Phone: (360) 619-7750
    - howe.crockett@dot.gov
  - Will Stalcup
    - Missouri DOT
    - Phone (573) 526-4350
    - William.stalcup@modot.mo.gov
  - Ken Cox
    - Florida DOT
    - Phone (352) 955 6601
    - Kenneth.cox@dot.state.fl.us