



Transportation Curriculum Coordination Council (TCCC)

Addressing Challenges in
Construction and Maintenance
Workforce and Quality



What is the TCCC?

- The TCCC is a Federal/State/Industry partnership that supports the training of the highway construction personnel.
- The goals of the TCCC are to:
 - Develop and maintain a national curriculum for various transportation disciplines
 - Identify training and certification requirements
 - Coordinate/facilitate training efforts



Why Do You Need the Transportation Curriculum Coordination Council?



What the TCCC has accomplished...

Core Curriculum
National Training Database
ILT and WBT



National Training Database

- National Interest:
 - TCCC, NTTD, LTAP
 - AASHTO, TRB, ITE
- Locating existing training from a wide variety of disciplines within construction and maintenance
- Assist in gap analysis for new course development



National Transportation Training Resource

Supporting the Training of the Highway Workforce

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NTRR Beta - Search for Transportation Training Resources

KEYWORD SEARCH

ADVANCED SEARCH

[Preview Here!](#)

SEARCH BY TCCC TECHNICAL CATEGORY

Select a single term in any one or more dropdowns to return all related resources.

Please select a Technical Category...

Please select a Subject Area...

Please select a Discipline...

Please select a Skill Level...

Please select a Competency...

Login

User Name:

Password:

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In the Hot Mix

- NTRR Database Resource Count: **462**
Contributed by 26 organizations
- Advanced Search capability now available.
- Feedback Form is available.

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Use the search tools to look for resources. Your search results will appear here.





Instructor Led Courses

- Geotechnical Inspector Certification Program
 - Drilled Shafts
 - Driven Piling
- Maintenance Academy
- Transportation Construction Quality Assurance
- NHI has a number of others available



Web Based Training

- Developed as a joint effort of TCCC and NHI
- Good Interactive Courses
- Widely Used Nationally and Internationally
- Money Saving
- Less Time Consuming



TCCC Trainings Shared with States

- 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



Total Participants Training Numbers

Course Number	Training Name	NHI Totals	State Totals	Totals
FHWA-NHI-131117	Basic Materials for Highway and Structure Construction and Maintenance	643	287	930
FHWA-NHI-131121	Construction of PCC Pavements	92	0	92
FHWA-NHI-131122	Portland Cement Concrete Paving Inspection	125	79	204
FHWA-NHI-131126	Pavement Preservation Series	67	4	71
FHWA-NHI-131126A	Preventive Maintenance and Pavement Preservation Concepts	62	7	69
FHWA-NHI-131126B	Concrete Pavement Evaluation	54	5	59
FHWA-NHI-131126C	Slab Stabilization and Slab Jacking	63	3	66
FHWA-NHI-131126D	Partial-Depth Repairs	79	3	82
FHWA-NHI-131126E	Full-Depth Repairs	82	5	87
FHWA-NHI-131126F	Retrofitted Edge Drains	47	3	50
FHWA-NHI-131126G	Load Transfer Restoration	28	3	31
FHWA-NHI-131126H	Diamond Grinding and Grooving	47	4	51
FHWA-NHI-131126I	Joint Resealing and Crack Sealing	52	5	57
FHWA-NHI-131126J	Strategy Selection	33	4	37
FHWA-NHI-131127	Concrete Series	134	21	155
FHWA-NHI-134069	Ethics Awareness for the Transportation Industry	706	4783	5489
FHWA-NHI-134071	Basic Construction and Maintenance Documentation - Improving the Daily Diary	553	386	939
FHWA-NHI-134072	Math Module	544	905	1449



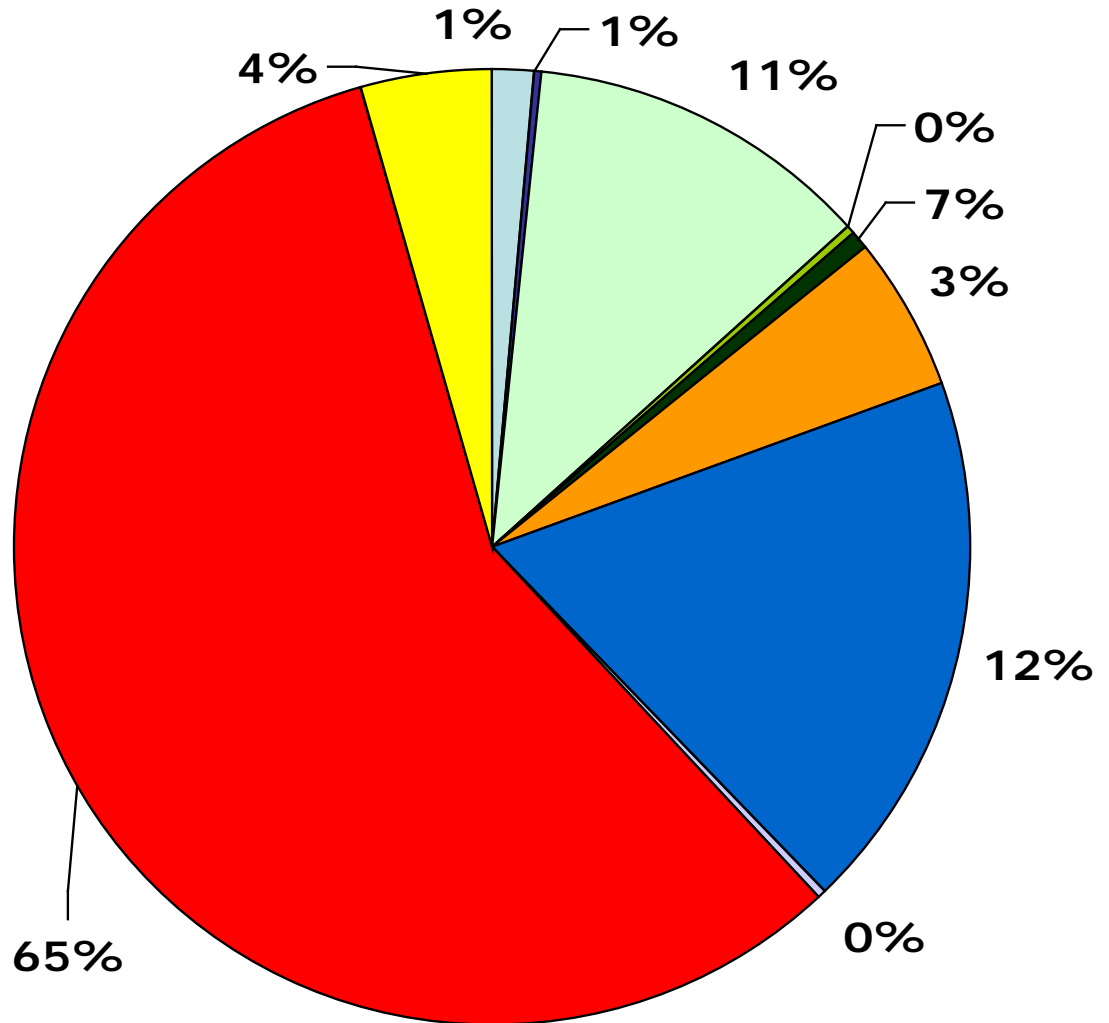
Total Participants Training Numbers

Course Number	Training Name	NHI Totals	State Totals	Totals
FHWA-NHI-134074	Bolted Connections	143	6	149
FHWA-NHI-134075	Hardened Concrete Properties - Durability	287	54	341
FHWA-NHI-134078	GPS Technology	576	125	701
FHWA-NHI-134081	Plan Reading	1196	155	1351
FHWA-NHI-134084	Fundamentals of Materials Used for Concrete Pavements	282	66	348
FHWA-NHI-134085	Incompatibility in Concrete Pavement Systems	165	39	204
FHWA-NHI-134087	Mix Design Principles	275	52	327
FHWA-NHI-134095	Early Age Cracking	136	75	211
FHWA-NHI-134096	Basics of Cement Hydration	118	32	150
FHWA-NHI-134097	Fresh Properties	62	39	101
FHWA-NHI-134098	Construction of Concrete Pavements	73	51	124
FHWA-NHI-134100	QCQA for Concrete Pavements	72	38	110
FHWA-NHI-134101	Design of Pavement	83	48	131
FHWA-NHI-134102	Troubleshooting for Concrete Pavements	52	45	97
FHWA-NHI-134106	Basic Construction Surveying	188	0	188
FHWA-NHI-380098	Maintenance of Traffic for Technicians	92	0	92
FHWA-NHI-380099	Maintenance of Traffic for Supervisors	76	0	76
Totals		7287	7332	14619



NHI Website Training Numbers – Participants by Industry Type

- ACAD
- INTL
- LG
- MPO
- FG
- Other
- Private
- RPA
- SG
- OFG





Training Development In Progress

- Self Consolidating Concrete Testing-Launched
- Self Consolidating Concrete Advanced-Launched
- FHWA-NHI-131129 HMA Paving Inspection
- FHWA-NHI-134105 Pipe Inspection
- FHWA-NHI-134107 Roadside Weeds
- FHWA-NHI-381102 Hand and Power Tools
- FHWA-NHI-381103 Basic Carpentry Tools
- FHWA-NHI-381104 CDL General Knowledge
- FHWA-NHI-381105 CDL Air Brakes
- FHWA-NHI-381106 CDL Pre-Trip Inspection



Training Updates In Progress

- Review Courses Every Two Years
- FHWA-NHI-134081 Plan Reading
 - New modules to full version
 - New one hour topic-driven modules to be launched with update



Training Development On Deck

- Roller Compacted Concrete
- Flagger Training
- CDL Pre-Trip Inspection
- Maintenance of Drainage Features for Safety
- SuperPave
- Many More Under Consideration



How to Access

- All TCCC web based courses are free
- Access through NHI website
- NHI site now changed to single login
- Handout of Instructions for new single login

Future Training Delivery Opportunities

- Mobile Training
 - Definition: Training provided to participants on a mobile device, i.e. a cell phone, iPOD, etc.
- Mobile Training Development
 - Varied formats (mp4, swf)
 - Adobe and Microsoft platforms for development
- Need to identify good candidate(s) for mobile delivery
 - What is the best target audience?
 - What types of devices are people using?
 - What kind of training is needed?





Future Opportunities



Supporting TCCC

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
- Become a Subject Matter Expert (SME) in your area(s) of expertise



For Information

For more information, visit:

www.nhi.fhwa.dot/tccc

Or contact:

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Thank You

Questions?

