

NHI Team

- TCCC
 - Chris Anderson
- NHI
 - Kevin Monaghan – Project Manager
 - Brian Kleinfelt – ISD/Project Manager
 - Tim Lee – Production
 - Danielle Mathis-Lee – Marketing Coordinator
 - Lillian Pinto – Marketing Specialist
 - Josh Kersey – System Support
 - Mallory Minter – System Support

TPMs and Training Categories

- Marty Ross
 - Construction and Maintenance
 - Pavement and Materials
- Tom Elliott
 - Highway Safety
 - Site and Personal Safety
- Louisa Ward
 - Bridge Inspection
 - Geotechnical

FY2008 TCCC Trainings

Course Number	Course Title	Instructional Hours
FHWA-NHI-131117	Basic Materials for Highway	3
FHWA-NHI-134069	Ethics Awareness for the Transportation Industry	1
FHWA-NHI-134071	Basic Construction and Maintenance Documentation - Improving the Daily Diary	1
FHWA-NHI-134072	Math Module	6
FHWA-NHI-134075	Hardened Concrete Properties - Durability*	1
FHWA-NHI-134078	GPS Technology	1
Total		13

FY2009 TCCC Trainings

Course Number	Training Name	Instructional Hours
FHWA-NHI-131121	Construction of PCC Pavements	10
FHWA-NHI-131122	Portland Cement Concrete Paving Inspection	5
FHWA-NHI-131126	Concrete Pavement Preservation	11
FHWA-NHI-131127	Concrete Series (MCP Manual)	12
FHWA-NHI-134081	Plan Reading	4
FHWA-NHI-134084*	Fundamentals of Materials Used for Concrete Pavements	2
FHWA-NHI-134085*	Incompatibility in Concrete Pavement Systems	1
FHWA-NHI-134087*	Mix Design Principles	1
FHWA-NHI-134095*	Early Age Cracking	1
FHWA-NHI-134096*	Basics of Cement Hydration	1
FHWA-NHI-134097*	Fresh Properties	1
FHWA-NHI-134098*	Construction of Concrete Pavements	1
FHWA-NHI-134100*	OCCA for Concrete Pavements	1
FHWA-NHI-134101*	Design of Pavement	1
FHWA-NHI-134102*	Troubleshooting for Concrete Pavements	1
Total		53

FY2010 TCCC Trainings

Course Number	Course Title	Instructional Hours
FHWA-NHI-131126A	Preventive Maintenance and Pavement Preservation Concepts	1
FHWA-NHI-131126B	Concrete Pavement Evaluation	2
FHWA-NHI-131126C	Slab Stabilization and Slab Jacking	1
FHWA-NHI-131126D	Partial-Depth Repairs	1
FHWA-NHI-131126E	Full-Depth Repairs	2
FHWA-NHI-131126F	Retrofitted Edge Drains	1
FHWA-NHI-131126G	Load Transfer Restoration	1
FHWA-NHI-131126H	Diamond Grinding and Grooving	1
FHWA-NHI-131126I	Joint Resealing and Crack Sealing	1
FHWA-NHI-131126J	Strategy Selection	1
FHWA-NHI-131128	Testing Self Consolidating Concrete	1
FHWA-NHI-131129	HMA Paving Inspection	4.5
FHWA-NHI-131130	Advanced Self Consolidating Concrete	1.5
FHWA-NHI-134074	Bolted Connections	2
FHWA-NHI-134106	Basic Construction Surveying	3
FHWA-NHI-134107	Recognizing Roadside Weeds	1

FY2010 TCCC Trainings (cont)

Course Number	Course Title	Instructional Hours
FHWA-NHI-134108	Plan Reading Series (Updated)	6
FHWA-NHI-134108A	Plan Reading: Highway Plan Reading Basics	1
FHWA-NHI-134108B	Plan Reading: Grading Plans	1
FHWA-NHI-134108C	Plan Reading: Traffic Control Plans	1
FHWA-NHI-134108D	Plan Reading: Erosion and Sediment Control Plans	1
FHWA-NHI-134108E	Plan Reading: Right-Of-Way Plans	1
FHWA-NHI-134108F	Plan Reading: County Plans	1
FHWA-NHI-134108G	Plan Reading: Bridge Plans	1
FHWA-NHI-134108H	Plan Readings: Culvert Plans	1
FHWA-NHI-381001	Safety Orientation	2
FHWA-NHI-381002	Safe Use of Hand and Power Operated Tools	1
FHWA-NHI-381003	Safe Use of Basic Carpentry Tools	3
FHWA-NHI-381004	CDL General Knowledge	3
FHWA-NHI-381005	CDL Air Brakes	1.5
FHWA-NHI-381006	CDL Pre-Trip Inspection	2
FHWA-NHI-380098	Maintenance of Traffic for Technicians	5
FHWA-NHI-380099	Maintenance of Traffic for Supervisors	5
Total		615

- ### FY2010 Existing Training Updates
- FHWA-NHI-131110 Pavement Preservation Treatment Series
 - New one hour topic-driven modules to be launched
 - New Website training descriptions
 - FHWA-NHI-134072 Math
 - Updates to exercises and knowledge checks
 - FHWA-NHI-134081 Plan Reading
 - New modules to full version
 - New one hour topic-driven modules to be launched with update

- ### TCCC Training Development Recap
- 2008
 - 6 WBTs Developed
 - 13 Instructional Hours
 - 2009
 - 15 WBTs Developed
 - 53 Instructional Hours
 - 1 Series Course with Single Module Delivery
 - 2010
 - 33 WBTs Developed
 - 61 Instructional Hours
 - 2 Series Courses with Single Module Delivery
 - Updated 3 Courses

NHI Website Training Numbers – Participants by Fiscal Year

Course Number	Training Name	FY2008	FY2009	FY2010	Totals
FHWA-NHI-131110	Pavement Preservation Treatment Series	257	187	257	701
FHWA-NHI-131110A	Introduction to Pavement Preservation			106	106
FHWA-NHI-131110B	Materials			111	111
FHWA-NHI-131110C	Crack Sealing & Filling, and Joint Sealing			98	98
FHWA-NHI-131110D	Localized Pavement Repair			62	62
FHWA-NHI-131110E	Chip Seals			81	81
FHWA-NHI-131110F	Fog Seals			57	57
FHWA-NHI-131110G	Slurry Seals			47	47
FHWA-NHI-131110H	Micro-Surfacing			66	66
FHWA-NHI-131110I	Thin Functional HMA Overlay			52	52
FHWA-NHI-131110J	Ultra Thin Bonded Wearing Courses			59	59
FHWA-NHI-131110K	Selecting the Right Treatment			58	58
FHWA-NHI-131117	Basic Materials for Highway and Structure Construction	137	415	144	696
FHWA-NHI-131121	Construction of PCC Pavements		3	138	141
FHWA-NHI-131122	Portland Cement Concrete Paving Inspection		77	81	158
FHWA-NHI-131126	Pavement Preservation Series		5	101	106
FHWA-NHI-131126A	Preventive Maintenance and Pavement Preservation Concepts			77	77
FHWA-NHI-131126B	Concrete Pavement Evaluation			84	84
FHWA-NHI-131126C	Slab Stabilization and Slab Jacking			87	87

NHI Website Training Numbers – Participants by Fiscal Year

Course Number	Training Name	FY2008	FY2009	FY2010	Totals
FHWA-NHI-131124D	Partial-Depth Repairs			105	105
FHWA-NHI-131124E	Full-Depth Repairs			112	112
FHWA-NHI-131124F	Reinforced Edge Drains			58	58
FHWA-NHI-131124G	Load Transfer Restoration			41	41
FHWA-NHI-131124H	Diamond Grinding and Grooving			76	76
FHWA-NHI-131124I	Joint Resealing and Crack Sealing			83	83
FHWA-NHI-131124J	Strategy Selection			47	47
FHWA-NHI-131127	Concrete Series		8	161	169
FHWA-NHI-131128	Test Self-Consolidating Concrete			51	51
FHWA-NHI-131129	HMA Paving Field Inspection			191	191
FHWA-NHI-131130	Advanced Self-Consolidating Concrete			38	38
FHWA-NHI-134069	Ethics Awareness for the Transportation Industry	123	425	233	781
FHWA-NHI-134071	Improving the Daily Diary	138	292	219	649
FHWA-NHI-134072	Math Module	88	265	282	635
FHWA-NHI-134074	Bolted Connections			200	200
FHWA-NHI-134075	Hardened Concrete Properties - Durability	39	186	45	270
FHWA-NHI-134078	GPS Technology	189	294	158	641
FHWA-NHI-134081	Plan Reading		993	344	1337
FHWA-NHI-134084	Fundamentals of Materials Used for Concrete Pavements		245	56	301
FHWA-NHI-134085	Incompatibility in Concrete Pavement Systems		144	37	181

NHI Website Training Numbers – Participants by Fiscal Year

Course Number	Training Name	FY2008	FY2009	FY2010	Totals
FHWA-NHI-134087	Mix Design Principles		230	64	294
FHWA-NHI-134095	Early Age Cracking		98	51	149
FHWA-NHI-134096	Basics of Cement Hydration		83	51	134
FHWA-NHI-134097	Fresh Properties		31	45	76
FHWA-NHI-134098	Construction of Concrete Pavements		40	54	94
FHWA-NHI-134100	OCDAs for Concrete Pavements		37	55	92
FHWA-NHI-134101	Design of Pavement		34	98	132
FHWA-NHI-134102	Troubleshooting for Concrete Pavements		22	45	67
FHWA-NHI-134106	Basic Construction Surveying			313	313
FHWA-NHI-134107	Recognizing Roadside Weeds			30	30
FHWA-NHI-134108	Plan Reading Series			18	18
FHWA-NHI-380098	Maintenance of Traffic for Technicians			172	172
FHWA-NHI-380099	Maintenance of Traffic for Supervisors			153	153
FHWA-NHI-381001	Safety Orientation			68	68
FHWA-NHI-381002	Safe Use of Hand and Power Operated Tools			22	22
FHWA-NHI-381003	Safe Use of Basic Carpentry Tools			4	4
FHWA-NHI-381004	CDL General Knowledge			19	19
FHWA-NHI-381005	CDL Air Brakes			14	14
FHWA-NHI-381006	CDL Pre-Trip Inspection			2	2
Total		971	4114	5542	10650

NHI Website Training Numbers Recap

- 2008 Participants
 - 6 WBTs Total
 - 971 NHI Web Site
- 2009 Participants
 - 21 WBTs Total
 - 4114 NHI Web Site
- 2010 Participants
 - 54 WBTs Total
 - 8088 NHI Web Site (through July) 2008

TCCC State Sharing Program

- 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

- States sharing our TCCC trainings
 - Iowa
 - Texas
 - Utah
 - Maryland
 - Alabama
 - South Carolina
 - Kansas
 - North Dakota
 - Minnesota – Going to NHI Web Site
 - Missouri – New

TCCC State Sharing Program FY2009

Course Number	Training Name	TX	MN	IA	AL	SC	Totals
FHWA-NHI-131117	Basic Materials for Highway and Structure Construction and Maintenance	43		41		7	91
FHWA-NHI-131122	Portland Cement Concrete Paving Inspection	2		22			24
FHWA-NHI-131127	Concrete Series			5			5
FHWA-NHI-134069	Ethics Awareness for the Transportation Industry	51		16	4619		4686
FHWA-NHI-134071	Improving the Daily Diary	65		51		19	135
FHWA-NHI-134072	Math Module	34	567	24		5	630
FHWA-NHI-134075	Hardened Concrete Properties - Durability	22		2		6	30
FHWA-NHI-134078	GPS Technology	29		20		8	57
FHWA-NHI-134081	Plan Reading	30		20		6	56
FHWA-NHI-134084	Fundamentals of Materials Used for Concrete Pavements	22		4		7	33
FHWA-NHI-134085	Incompatibility in Concrete Pavement Systems	17		4		4	25
FHWA-NHI-134087	Mix Design Principles	21		3		5	29
FHWA-NHI-134095	Early Age Cracking	3					3
FHWA-NHI-134097	Fresh Properties					4	4
FHWA-NHI-134098	Construction of Concrete Pavements					6	6
FHWA-NHI-134100	QC/QA for Concrete Pavements					6	6
FHWA-NHI-134101	Design of Pavement	1				3	4
FHWA-NHI-134102	Troubleshooting for Concrete Pavements	1				8	9
Totals		341	567	212	4619	94	5833

TCCC State Sharing Program FY2010 1st, 2nd, 3rd Quarters

Course Number	Training Name	MN	TX	SC	IA	MD	AL	UT	ND	Totals
FHWA-NHI-131117	Basic Materials for Highway and Structure Construction and Maintenance	5	55	143	136					339
FHWA-NHI-131121	Construction of PCC Pavements			53	37					90
FHWA-NHI-131122	Portland Cement Concrete Paving Inspection		12	43	40			62		157
FHWA-NHI-131126	Pavement Preservation Series				10					10
FHWA-NHI-131126A	Preventive Maintenance and Pavement Preservation Concepts			35	3					38
FHWA-NHI-131126B	Concrete Pavement Evaluation		25	36						61
FHWA-NHI-131126C	Slab Stabilization and Slab Jacking		12	22				1	35	
FHWA-NHI-131126D	Partial-Depth Repairs			18					1	19
FHWA-NHI-131126E	Full-Depth Repairs			21				1	22	
FHWA-NHI-131126F	Retrofitted Edge Drains			11						11
FHWA-NHI-131126G	Load Transfer Restoration			18						18
FHWA-NHI-131126H	Diamond Grinding and Grooving			12						12
FHWA-NHI-131126I	Joint Resealing and Crack Sealing			20				2	22	
FHWA-NHI-131126J	Strategy Selection			15						15
FHWA-NHI-131127	Concrete Series				36					36
FHWA-NHI-131128	Testing Self-Consolidating Concrete			6	2					8
FHWA-NHI-131129	HMA Paving Inspection			6						6

TCCC State Sharing Program FY2010 1st, 2nd, 3rd Quarters

Course Number	Training Name	MN	TX	SC	IA	MD	AL	UT	ND	Totals
FHWA-NHI-131130	Advanced Self-Consolidating Concrete			8	2					10
FHWA-NHI-134069	Ethics Awareness for the Transportation Industry		53	51	53		150		1	308
FHWA-NHI-134071	Basic Construction and Maintenance Documentation - Improving the Daily Diary	176	90	86	122				5	479
FHWA-NHI-134072	Math Module	433	35		103					571
FHWA-NHI-134074	Bolted Connections			30	4					37
FHWA-NHI-134075	Hardened Concrete Properties - Durability		11	24	9					44
FHWA-NHI-134078	GPS Technology		33	88	41					162
FHWA-NHI-134081	Plan Reading		36	65	126				2	229
FHWA-NHI-134084	Fundamentals of Materials Used for Concrete Pavements		23	27	28				1	79
FHWA-NHI-134085	Incompatibility in Concrete Pavement Systems		7	9	14					30
FHWA-NHI-134087	Mix Design Principles		39	18	7					64
FHWA-NHI-134095	Early Age Cracking		73	29						102
FHWA-NHI-134096	Basics of Cement Hydration		49							49
FHWA-NHI-134097	Fresh Properties		45	18					1	64
FHWA-NHI-134098	Construction of Concrete Pavements		51	21						72

TCCC State Sharing Program FY2010 1st, 2nd, 3rd Quarters

Course Number	Training Name	MN	TX	SC	IA	MD	AL	UT	ND	Totals
FHWA-NHI-134100	OQDA for Concrete Pavements		32	17						49
FHWA-NHI-134101	Design of Pavement		47	46						93
FHWA-NHI-134102	Troubleshooting for Concrete Pavements		38	21						59
FHWA-NHI-134106	Basic Construction Surveying			85	16	12			6	119
FHWA-NHI-380098	Maintenance of Traffic for Technicians			12	5					17
FHWA-NHI-380099	Maintenance of Traffic for Supervisors			8	3					11
FHWA-NHI-381001	Safety Orientation				1					1
Totals		614	762	1116	804	12	150	62	26	3546

- ### TCCC State Sharing Program Recap
- 2009
 - 5 States Involved
 - 5,800 Participants Reached
 - Minnesota – Math Module for Supervisors Required Engineers
 - Alabama – Ethics Awareness Statewide Required Statewide
 - 2010
 - 10 States Involved
 - 3,500 Participants Reached
 - Quarterly Training Delivery

Total Participants Training Numbers

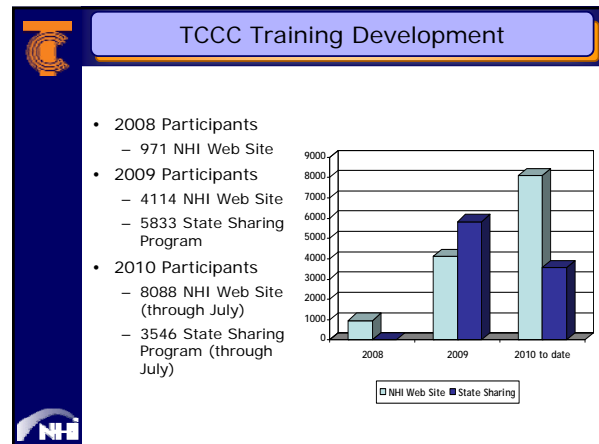
Course Number	Training Name	NHI Totals	State Totals	Totals
FHWA-NHI-131110	Pavement Preservation Treatment Series	701		
FHWA-NHI-131110A	Introduction to Pavement Preservation	106		
FHWA-NHI-131110B	Materials	111		
FHWA-NHI-131110C	Crack Sealing & Filling, and Joint Sealing	98		
FHWA-NHI-131110D	Localized Pavement Repair	62		
FHWA-NHI-131110E	Chip Seals	81		
FHWA-NHI-131110F	Fog Seals	57		
FHWA-NHI-131110G	Slurry Seals	47		
FHWA-NHI-131110H	Micro-Surfacing	66		
FHWA-NHI-131110I	Thin Functional HMA Overlay	52		
FHWA-NHI-131110J	Ultra Thin Bonded Wearing Courses	59		
FHWA-NHI-131110K	Selecting the Right Treatment	58		
FHWA-NHI-131117	Basic Materials for Highway and Structure Construction and Maintenance	696	430	1126
FHWA-NHI-131121	Construction of PCC Pavements	141	90	231
FHWA-NHI-131122	Portland Cement Concrete Paving Inspection	158	181	339
FHWA-NHI-131126	Pavement Preservation Series	106	10	116
FHWA-NHI-131126A	Preventive Maintenance and Pavement Preservation Concepts	77	38	115
FHWA-NHI-131126B	Concrete Pavement Evaluation	84	61	145
FHWA-NHI-131126C	Slab Stabilization and Slab Jacking	87	35	122

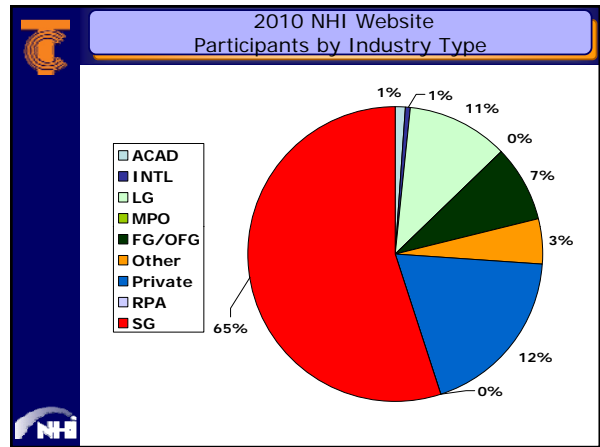
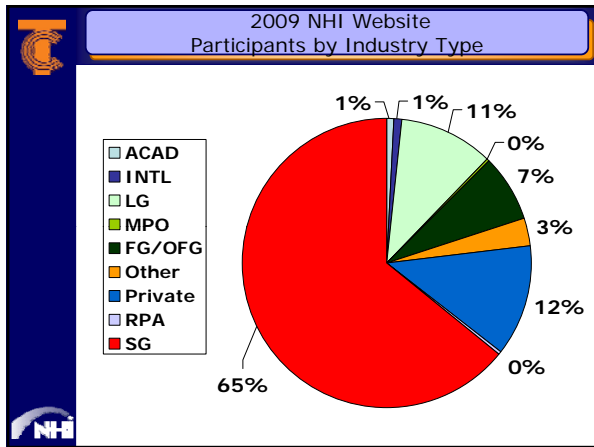
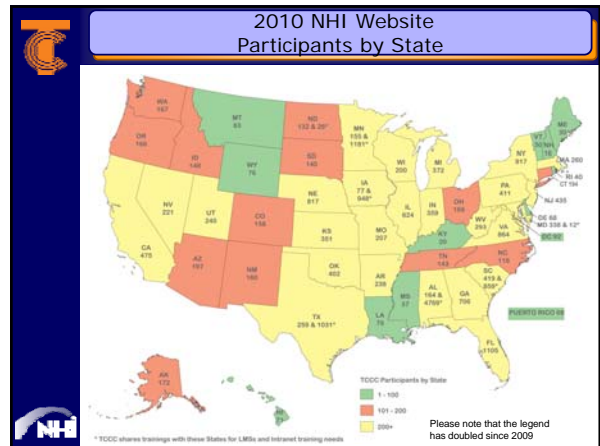
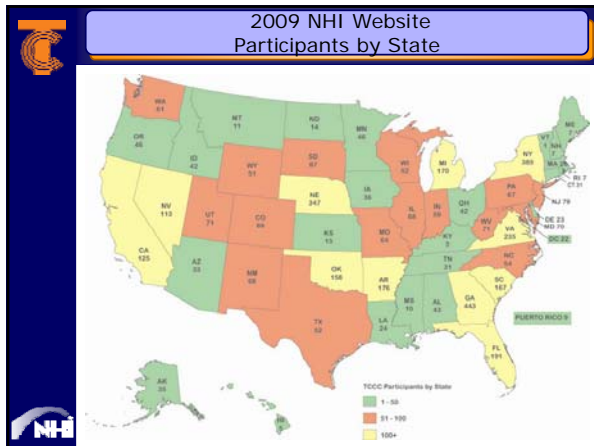
Total Participants Training Numbers

Course Number	Training Name	NHI Totals	State Totals	Totals
FHWA-NHI-131126D	Partial-Depth Repairs	105	19	124
FHWA-NHI-131126E	Full-Depth Repairs	112	22	134
FHWA-NHI-131126F	Retrofitted Edge Drains	58	11	69
FHWA-NHI-131126G	Load Transfer Restoration	41	18	59
FHWA-NHI-131126H	Diamond Grinding and Grooving	76	12	88
FHWA-NHI-131126I	Joint Resealing and Crack Sealing	83	22	105
FHWA-NHI-131126J	Strategy Selection	47	15	62
FHWA-NHI-131127	Concrete Series	169	41	210
FHWA-NHI-131128	Test Self-Consolidating Concrete	51	8	59
FHWA-NHI-131129	HMA Paving Field Inspection	191		191
FHWA-NHI-131130	Advanced Self-Consolidating Concrete	38	10	48
FHWA-NHI-134069	Ethics Awareness for the Transportation Industry	781	4994	5775
FHWA-NHI-134071	Daily Diary	649	614	1263
FHWA-NHI-134072	Math Module	635	1202	1837
FHWA-NHI-134074	Bolted Connections	200	37	237
FHWA-NHI-134075	Hardened Concrete Properties - Durability	270	74	344
FHWA-NHI-134078	GPS Technology	641	219	860
FHWA-NHI-134081	Plan Reading	1337	285	1622
FHWA-NHI-134084	Fundamentals of Materials Used for Concrete Pavements	301	112	413
FHWA-NHI-134085	Incompatibility in Concrete Pavement Systems	181	55	236

Total Participants Training Numbers


Course Number	Training Name	NHI Totals	State Totals	Totals
FHWA-NHI-134087	Mix Design Principles	294	83	377
FHWA-NHI-134095	Early Age Cracking	149	105	254
FHWA-NHI-134096	Basics of Cement Hydration	134	50	184
FHWA-NHI-134097	Fresh Properties	76	68	144
FHWA-NHI-134098	Construction of Concrete Pavements	94	78	172
FHWA-NHI-134100	OQDA for Concrete Pavements	92	55	147
FHWA-NHI-134101	Design of Pavement	132	97	229
FHWA-NHI-134102	Troubleshooting for Concrete Pavements	67	68	135
FHWA-NHI-134106	Basic Construction Surveying	313	119	432
FHWA-NHI-134107	Recognizing Roadside Weeds	30		30
FHWA-NHI-134108	Plan Reading Series	18		18
FHWA-NHI-380098	Maintenance of Traffic for Technicians	172	17	189
FHWA-NHI-380099	Maintenance of Traffic for Supervisors	153	11	164
FHWA-NHI-381001	Safety Orientation	68	1	69
FHWA-NHI-381002	Safe Use of Hand and Power Operated Tools	22		22
FHWA-NHI-381003	Safe Use of Basic Carpentry Tools	4		4
FHWA-NHI-381004	CDL General Knowledge	19		19
FHWA-NHI-381005	CDL Air Brakes	14		14
FHWA-NHI-381006	CDL Pre-Trip Inspection	2		2
Totals		10537	9366	18309







- ### Training Development In Progress
- FHWA-NHI-134072 Pipe Inspection
 - FHWA-NHI-380107 Flagger Training
 - FHWA-NHI-380108 Maintenance of Drainage Features for Safety

- ### Training Development On Deck
- SuperPave
 - PCC Roller Compaction (National PCC Center)
 - Bridge Inspection Series
 - BASF Training Materials

 Training Topics in Discussion

- Site Manager
- Intermediate Survey
- Geotechnical
- Earthwork
- Transportation Project Management
- Environmental Factors in Construction and Maintenance
- Use of Asphalt Emulsions for Pavement Preservation
- Maintenance Safety Videos



 Thank You

Questions?

