

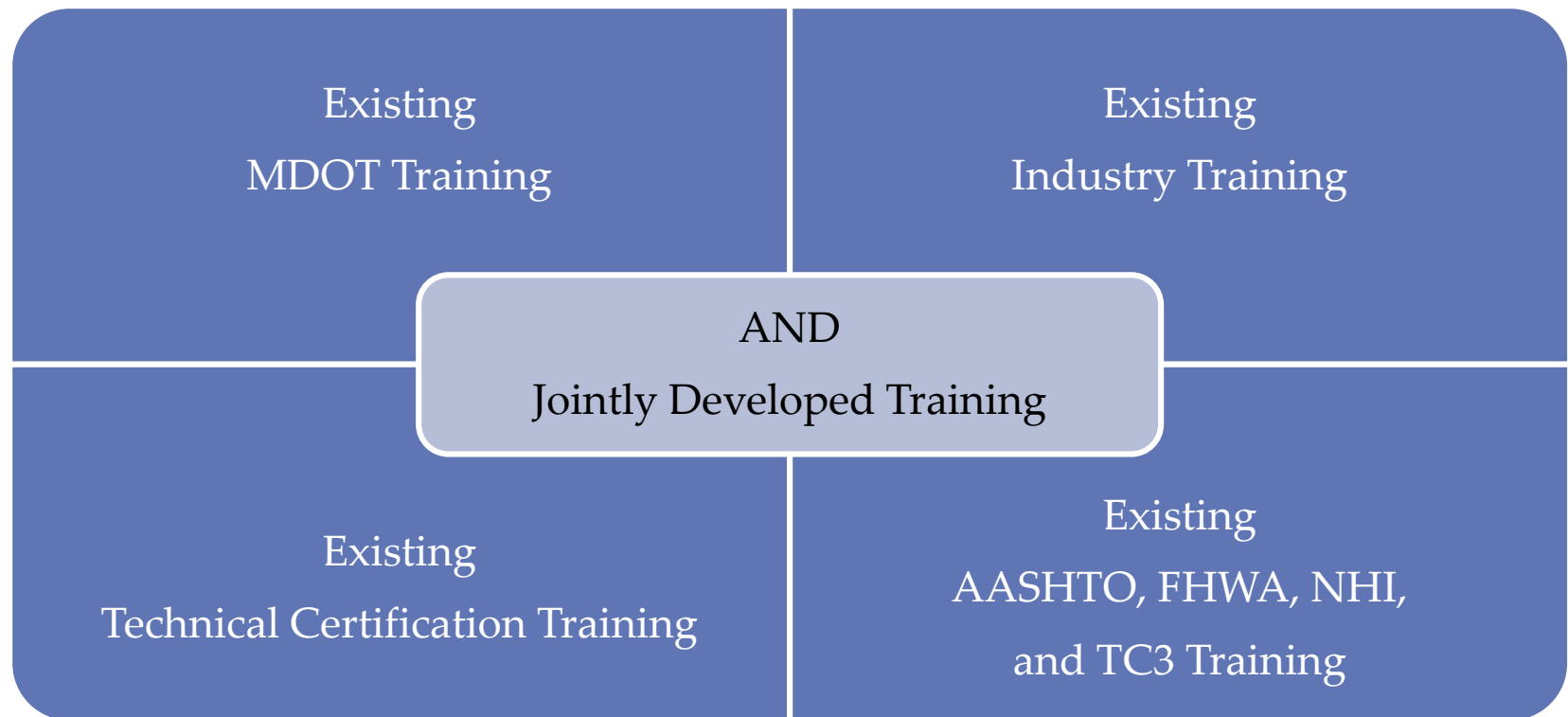
Michigan Construction Quality Partnership

The Partners



Michigan Construction Quality Partnership

Course Origins



Michigan Construction Quality Partnership

Course Categories

BRIDGE

CONCRETE

CONSTRUCTION

CONTRACT ADMIN

DESIGN

HOT MIX ASPHALT

ROAD PRESERVATION

Michigan Construction Quality Partnership

Levels



Tier I
Front Line Work Force

Tier II
Mid Management

Tier III
Executive



*Michigan Construction Quality Partnership
Web Portal*

<http://micqp.redvector.com>



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Michigan's highway network is an essential element of Michigan's transportation infrastructure and its quality is critical to Michigan's economic growth and ability to compete in the global marketplace. The **Construction Quality Partnership (CQP)** is a comprehensive initiative designed to deliver continuous improvement of Michigan's transportation system in the 21st century.

The CQP Web Portal is the single point of record for all training, certification, and education activity of the Michigan CQP Initiative.

The key to the success of the CQP Initiative is to ensure that everyone working on Michigan transportation projects is properly trained and equipped to deliver projects with the highest level of quality.





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Forgot your login Username or Password?

Enter your email address below and we will email you your Username and Password.

Email Address:

If you have any questions or need support, please contact MICQP Support at:

Phone: 813-321-8017 or Email: MICQP-info@redvector.com

Live Support: Monday-Friday, 8:00am-5:00pm.

Click [here](#) to go to the [Michigan Construction Quality Partnership Web Portal](#) home page.



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Welcome to Account Registration

New User Registration.

Returning Users

If you are a returning user, log in to your existing account [here](#).

Please do not create a new account.

Providers and Associations

Please contact [MDOT Support](#) to have your account created.

New Users

To register as a new user:

1. Select your **Account Type** based on your employer: MDOT, Company, Independent (self-employed), or Public Agency.
2. If you are a **Company Employee** or **Public Agency Employee**, select your **Employer Name** from the drop-down list.
3. Enter the **Authorization Code** provided by your company.
4. Click on the **Create Account** button below.

If you have any existing account, **please do not create a new account**. Contact [MiCQP Support](#) to have your account information updated.

Employer Type *

Company Employee ▼

Employer Name *

Companies ▼

Employer Authorization Code *

12345

Create Account



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Account Setup Information

- 1) Enter your account information in the available fields below and click the **Continue** button.
- 2) Once your account is created you will be taken to the course library to begin your course selections.

User Information

* Required Field

First name *	<input type="text"/>
Middle name	<input type="text"/>
Last Name *	<input type="text"/>
Date of Birth *	<input type="text" value="Month"/> <input type="text" value="Day"/> <input type="text" value="Year"/> (used to match history records)
HRMN ID (if MDOT employee)	<input type="text"/>
Company	<input type="text"/>
Title	<input type="text"/>
Email *	<input type="text"/> Please use work email if available
Direct Work Phone *	<input type="text"/> e.g. ###-###-####
Phone Ext	<input type="text"/>

User Login Information

* Required Field

Login ID *	<input type="text"/>
	NOTE: Last name + First letter of First name (+ digit to eliminate duplicates). Please retain this Login ID to use when you return to MICQP in the future as an Existing User.
Password *	<input type="text"/>
	NOTE: Password must be at least 5 characters.
Confirm Password *	<input type="text"/>

Company Information

Company Title	MDOT Employees
Company Phone	
Company POC	Abraham Manthei
Company POC Phone	

Billing Address (if your work address is different, please change accordingly)

* Required Field

Address *

City *

State *

Country *

Postal Code *

Personal Address (optional)

* Required Field

Address

City

State

Country

Postal Code



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Print My Certificates

To view, download, save or print a course completion certificate, please select your professional license from your list below. Once you have chosen your license, a new drop down list will appear and you will be asked to select a renewal period for that license. The courses which you have successfully completed which match the requirements for that license and renewal period will appear below. Click on the "Download Certificate" icon to the right of the course title.

To view certificates for all of the courses you have completed, regardless of the licenses you hold, or if you have taken courses that do not apply to a professional license, please select the "Non-License Specific" option from the end of the license list. If you hold a specific license, we do not recommend this option.

If you are printing or downloading a certificate for a specific license and **would like the specific licensing board course approval information to appear on the certificate, make sure you choose the correct license from the drop down below.** This will ensure the certificate you pull up will have the correct specific license information required by the Board.

Certificates for License(s)

Select a License

Non-License Specific ▼

[ADD NEW LICENSE](#)

Courses	Credit Hours	Completion Date	Status	Download Certificate
MDOT FieldManager Training <i>Your Score: 100.00%</i>	16	12/15/2009	✓	
MDEQ Storm Water Operator Certification <i>Your Score: 100.00%</i>	3	1/1/2010	✓	
MDOT Computerized Office Technician Certification <i>Your Score: 100.00%</i>	40	1/25/2010	✓	
ACI / MCA Concrete Level 1 Field Testing Certification <i>Your Score: 100.00%</i>	32	4/15/2010	✓	
Copy of MDNRE Soil Erosion and Sedimentation Control Certification <i>Your Score: 100.00%</i>	10	6/2/2010	✓	

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Search Courses

Search Criteria

Course Number

Keywords

Provider

Course Delivery Type

Content Category

CQP Tier

Results For: All courses displayed.

The course(s) that are highlighted are currently available in [your account](#). [Export Entire Curriculum](#) [Export to Excel](#)

98 item(s) found Page 1 of 2 | 1 2 | [Show All](#)

<input type="checkbox"/>	Item #	Type	Catalog Item	Provider	CQP Tier	Hours	Price	Add to Cart
<input type="checkbox"/>	CONTRACT1336A		Accelerated Bridge Construction/Structural Slide & Move Workshop	MDOT - Bridge Field Services	Tier 1 - Front Line Work Force	8		
<input type="checkbox"/>	CONC1036A		ACI (CST) Concrete Strength Testing Certification	Michigan Concrete Association (MCA)	Tier 1 - Front Line Work Force	16		
<input type="checkbox"/>	CONC1034A		ACI / MCA Concrete Level 1 Field Testing Certification	Michigan Concrete Association (MCA)	Tier 1 - Front Line Work Force	32		



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Catalog Item Overview

Course Title	Aggregate Inspection Certification Level 1
Provider	Ferris State University
Price	(see below)
Credit Hours	24
Rating	

Catalog Item Description

Description (Previously listed as CONTRACT1302A)

This three day training course satisfies the requirements of the Michigan Department of Transportation and the Federal Highways Administration for technicians involved in aggregate sampling, washing, sieving, and determining crush content of aggregates for quality control during aggregate production and placement.

Completion Requirements: Certification

Term: 5

SCHEDULE

Go to www.ferris.edu/icet
or contact FSU at icet@ferris.edu or 231-591-5826

MDOT Staff contact your Training Coordinator.

Prerequisites Technicians applying to take the certification courses and examination should have experience and/or working knowledge of the listed course topics before undertaking the examination. Basic math skills in the use of fractions, decimals, ratios, and percent

Most Popular Courses



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<input type="checkbox"/>	Item #	Type	Catalog Item	Provider	CQP Tier	Hours	Price	Add to Cart
<input type="checkbox"/>	CONTRACT1336A		Accelerated Bridge Construction/Structural Slide & Move Workshop	MDOT - Bridge Field Services	Tier 1 - Front Line Work Force	8		
<input type="checkbox"/>	CONC1036A		ACI (CST) Concrete Strength Testing Certification	Michigan Concrete Association (MCA)	Tier 1 - Front Line Work Force	16		
<input type="checkbox"/>	CONC1034A		ACI / MCA Concrete Level 1 Field Testing Certification	Michigan Concrete Association (MCA)	Tier 1 - Front Line Work Force	32		



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Search Criteria

Course Number

Keywords

Provider

Course Delivery Type

Content Category

CQP Tier

Results For: All courses displayed.

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114 item(s) found

Page 1 of 3 | 1 2 3 |

<input type="checkbox"/>	Item #	Type	Catalog Item	Provider	CQP Tier	Hours	Price	Add to Cart
<input type="checkbox"/>	BRIDGE1010A		Accelerated Bridge Construction/Structural Slide & Move Workshop	MDOT - Bridge Field Services	Tier I - Front Line Work Force	8		



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Search Courses

Search Criteria

Course Number	<input type="text"/>
Keywords	<input type="text"/>
Provider	National Highway Institute / TCCC / RedVector <input type="button" value="v"/>
Course Delivery Type	Online / Internet <input type="button" value="v"/>
Content Category	-select- <input type="button" value="v"/>
Requirement Type	-select- <input type="button" value="v"/>
CQP Tier	-select- <input type="button" value="v"/>
<input type="button" value="Search"/> <input type="button" value="Clear"/> Basic Search	

Results For: All courses displayed.

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24 item(s) found

Page 1 of 1

<input type="checkbox"/>	Item #	Type	Catalog Item	Provider	CQP Tier	Hours	Price	Add to Cart
<input type="checkbox"/>	CONC1024A		TCCC Basics of Cement Hydration, (Tier I)	National Highway Institute / TCCC / RedVector	Tier I - Front Line Work Force	1	15.00	ADD TO CART
<input type="checkbox"/>	CONC2024A		TCCC Basics of Cement Hydration, (Tier II)	National Highway Institute / TCCC / RedVector	Tier II - Mid Management	1	15.00	ADD TO CART
<input type="checkbox"/>	CONC3024A		TCCC Basics of Cement Hydration, (Tier III)	National Highway Institute / TCCC / RedVector	Tier III - Executive Level	1	15.00	ADD TO CART



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Please review your shopping cart information below.

To update item quantities or to remove an item from your cart, enter or change the appropriate information and click the "Update Cart" button.

To add more items to your cart, click the "Continue Shopping" button.

To apply any discount / promotion codes you may have, enter the code in the box to the right and click the "Apply" button".

When you are satisfied with your shopping cart information, click the "Checkout Now" button.

Discount/Promotion Code

If you have a discount or promotion code, please enter it below.

Code



Remove	Catalog Item	Hours	Price	Discount	Quantity	Sub Total	
<input type="checkbox"/>	TCCC Basics of Cement Hydration, (Tier I)	1.00	\$15.00	---	1	\$15.00	Change Quantity
	Total	1.00	\$15.00	\$0.00		\$15.00	



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* **Required Field**

User Information	
Account	<input type="text"/> <input type="button" value="Search"/> <input type="button" value="Clear"/>
	--MDOT Employees <input type="button" value="v"/>
First Name *	<input type="text" value="Kari"/>
Middle Name	<input type="text"/>
Last Name *	<input type="text" value="Obrinske"/>
Company	<input type="text"/>
Title	<input type="text"/>
Email *	<input type="text" value="obrinskek@michigan.gov"/>
Phone *	<input type="text" value="517-322-1641"/> e.g. ### ### ####
Phone Ext	<input type="text"/>

Personal Address	
Address *	<input type="text" value="8885 Ricks Road"/> <input type="text"/> <input type="text"/>
City *	<input type="text" value="Lansing"/>
Country *	United States <input type="button" value="v"/>
State *	MI <input type="button" value="v"/>
Postal Code *	<input type="text" value="48917"/>

Billing Information

Please enter your credit card billing information in the available fields below. Click the "Continue" button at the bottom of the page to proceed.



* Required Field

Payment Information	
Card Type *	American Express ▼
Card Number *	<input type="text"/> Invalid Card Number
Name on Card *	<input type="text"/>
Security Code	<input type="text"/> What is this?
Expiration Date *	03 ▼ 2016 ▼

Billing Address	
	<input type="checkbox"/> Same as Mailing Address
Address *	<input type="text"/>
	<input type="text"/>
	<input type="text"/>
City *	<input type="text"/>
Country *	United States ▼
State *	AK ▼
Zip *	<input type="text"/>

Continue



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Take a Course

To enter an online course, click on the course title below. To sort your course list by course title, click on the course title heading. To sort your course list by expiration date, click on the expiration date heading. To sort your course list by status, click on the status title heading.

You may have pop-up windows blocked within your browser. To successfully take a lesson/exam you must enable pop-up windows. Please [click here](#) for more information about enabling pop-up windows.



To print certificates for completed courses, please [click here](#).

Course Enrollments

Catalog Item	Expiration Date	Score	Status
TCCC Mix Design Principles - Concrete, (Tier III) Credit Hour(s): 1	12/11/2014 11:59 PM (EST)	0%	Incomplete
TCCC Troubleshooting for Concrete Pavements, (Tier III) Credit Hour(s): 1	11/14/2014 11:59 PM (EST)	0%	Not Attempted
MDOT Soil Erosion and Sedimentation Control (Hands On) Credit Hour(s): 1	10/17/2014 11:59 PM (EST)	0%	Incomplete
TCCC Fresh Concrete Properties, (Tier II) Credit Hour(s): 1	10/17/2014 11:59 PM (EST)	0%	Not Attempted
MDOT Soil Erosion and Sedimentation Control (Technical) Credit Hour(s): 1	10/17/2014 11:59 PM (EST)	0%	Not Attempted
TCCC Early Age Cracking - Concrete, (Tier II) Credit Hour(s): 1	10/01/2014 11:59 PM (EST)	0%	Not Attempted



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Welcome! Courses are made up of lessons, exams and surveys. To complete a course, you must review the lesson(s) and take the exam(s). The survey is optional. To begin a lesson, exam or survey, click on the corresponding button below to launch that portion of the course. To download and print a PDF, click on the PDF icon next to each course unit.

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The **PDF** generation process may take a few moments depending on the length of the course and the number of graphics used in the course. We appreciate your patience as they generate.

To download Adobe Reader, [click here](#).



To print certificates for completed courses, please [click here](#).

Course Title	TCCC Mix Design Principles - Concrete, (Tier III)
Order #	131211-1003
Provider	National Highway Institute / TCCC / RedVector
Credit Hour(s)	1

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Course Units	PDF	Score	Status
Begin Lesson		0.00%	
Begin Exam		0.00%	Incomplete

Required Passing Score: 70% *

* NOTE: Some licensing boards may require higher passing scores than those listed above. Please be sure to check with your individual licensing board to ensure that you meet the passing requirement for each of your courses.



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T

TCCC Concrete Series

FHWA-NHI-134087

Transportation Curriculum Coordination Council
Mix Design

Lesson 1:
[Mix Design Overview](#)

Lesson 2:
[Mix Proportioning](#)

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[Glossary](#)

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Mix Design Principles

For the best training experience, please take a moment to download the [IMCP Manual from October 2007](#). The IMCP Manual will be referenced at the bottom of the slide throughout this training module. The IMCP Manual can also be downloaded using the Resources link in the left-hand bar. This download may take a few minutes.

Outline

Narration

Search

Slide Notes

In this session we will be talking about mix design. We will be defining some terminology, talking about the basic principles behind the process, and providing some guidelines on how to do it.

Continue →

Slide 1 / 41 | Stopped

00:13 / 00:13

23 Minutes 0 Seconds Remaining



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Welcome! Courses are made up of lessons, exams and surveys. To complete a course, you must review the lesson(s) and take the exam(s). The survey is optional. To begin a lesson, exam or survey, click on the corresponding button below to launch that portion of the course. To download and print a PDF, click on the PDF icon next to each course unit.

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The **PDF** generation process may take a few moments depending on the length of the course and the number of graphics used in the course. We appreciate your patience as they generate.

To download Adobe Reader, [click here](#).



To print certificates for completed courses, please [click here](#).

Course Title	TCCC Mix Design Principles - Concrete, (Tier III)
Order #	131211-1003
Provider	National Highway Institute / TCCC / RedVector
Credit Hour(s)	1

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Course Units	PDF	Score	Status
Begin Lesson		0.00%	
Begin Exam		0.00%	Incomplete

Required Passing Score: 70% *

* NOTE: Some licensing boards may require higher passing scores than those listed above. Please be sure to check with your individual licensing board to ensure that you meet the minimum requirements for each of your courses.



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Welcome **Kari!**

Manager View

Train, track and trend using these Administrative features.



Overview



Reports



Resources

One Click Reports

On Demand Reports

On Demand Reports

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 - Course completions by all students
 - Course completions by individual student
 - Course completions by individual course
 - Ad Hoc Training Completions by all students
 - Ad Hoc Training Completions by individual student
- Exception Reports
- Registered Students
- Custom Reports



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One Click Reports

On Demand Reports

On Demand Reports

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 - [-] Course completions by individual course
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- [-] Custom Reports

Course completions by individual course

Select a Date Range

Begin Date

End Date

Select a Region/Facility

Select Course



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Close

1 of 56

100%

Find | Next

Select a format

Export



Course Completion

Date Range: 1/1/2008 - 12/31/2014

Records Returned: 1883

First Name	Last Name	Facility	Facility Code	Enroll Date	Course	Hours	Completion Date	Score	Job Role
William	Aamoth	Unregistered Employees		2/24/2011	ACI / MCA Concrete Level 1 Field Testing Certification	32	2/24/2011	100	
Dylan	Abbas	Unregistered Employees		4/15/2012	ACI / MCA Concrete Level 1 Field Testing Certification	32	4/15/2012	100	
Dean	Aberly	MDOT Employees		1/8/2009	ACI / MCA Concrete Level 1 Field Testing Certification	32	1/8/2009	100	
Michael	Abrahamian	Unregistered Employees		4/15/2012	ACI / MCA Concrete Level 1 Field Testing Certification	32	4/15/2012	100	
Daniel	Absolon	COLEMAN ENGINEERING COMPANY		4/15/2012	ACI / MCA Concrete Level 1 Field Testing Certification	32	4/15/2012	100	
Kristin	Ade	Unregistered Employees		3/14/2013	ACI / MCA Concrete Level 1 Field Testing Certification	32	3/14/2013	100	
Todd	Adrian	Unregistered Employees		4/19/2013	ACI / MCA Concrete Level 1 Field Testing Certification	32	4/19/2013	100	
Joel	Aho	ORCHARD, HILTZ & MCCLIMENT, INC.		4/15/2010	ACI / MCA Concrete Level 1 Field Testing Certification	32	4/15/2010	100	
David	Aittama	MDOT Employees		7/30/2010	ACI / MCA Concrete Level 1 Field Testing Certification	32	7/30/2010	100	
John	Aladetohun	MDOT Employees		7/27/2009	ACI / MCA Concrete Level 1 Field Testing Certification	32	7/27/2009	100	
Adam	Albrecht	MDOT Employees		3/28/2013	ACI / MCA Concrete Level 1 Field Testing Certification	32	3/28/2013	100	
Adam	Albrecht	MDOT Employees		4/15/2010	ACI / MCA Concrete Level 1 Field Testing Certification	32	4/15/2010	100	



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Resources

[MiCQP Users Quick Start Guide](#) **NEW**

[Student User Guide](#)

[Add/Remove Course History Form](#)

[Click here to see a spreadsheet of all the courses](#)

[Click here to open the MASTER CQP Curriculum Handout](#) (PDF format)

Announcements:

- None yet!



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Existing Users

NOTE: Username format was changed to Lastname plus Firstname-Initial (e.g. SmithJ) on 08/12/2013

Login:

Password:

[Forgot your password?](#)

New Users

Michigan Construction Quality Partnership Web Portal

Michigan's highway network is an essential element of Michigan's transportation infrastructure and its quality is critical to Michigan's economic growth and ability to compete in the global marketplace. The **Construction Quality Partnership (CQP)** is a comprehensive initiative designed to deliver continuous improvement of Michigan's transportation system in the 21st century.

The CQP Web Portal is the single point of record for all training, certification, and education activity of the Michigan CQP Initiative.

The key to the success of the CQP Initiative is to ensure that everyone working on Michigan transportation projects is properly trained and equipped to deliver projects with the highest level of quality.



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