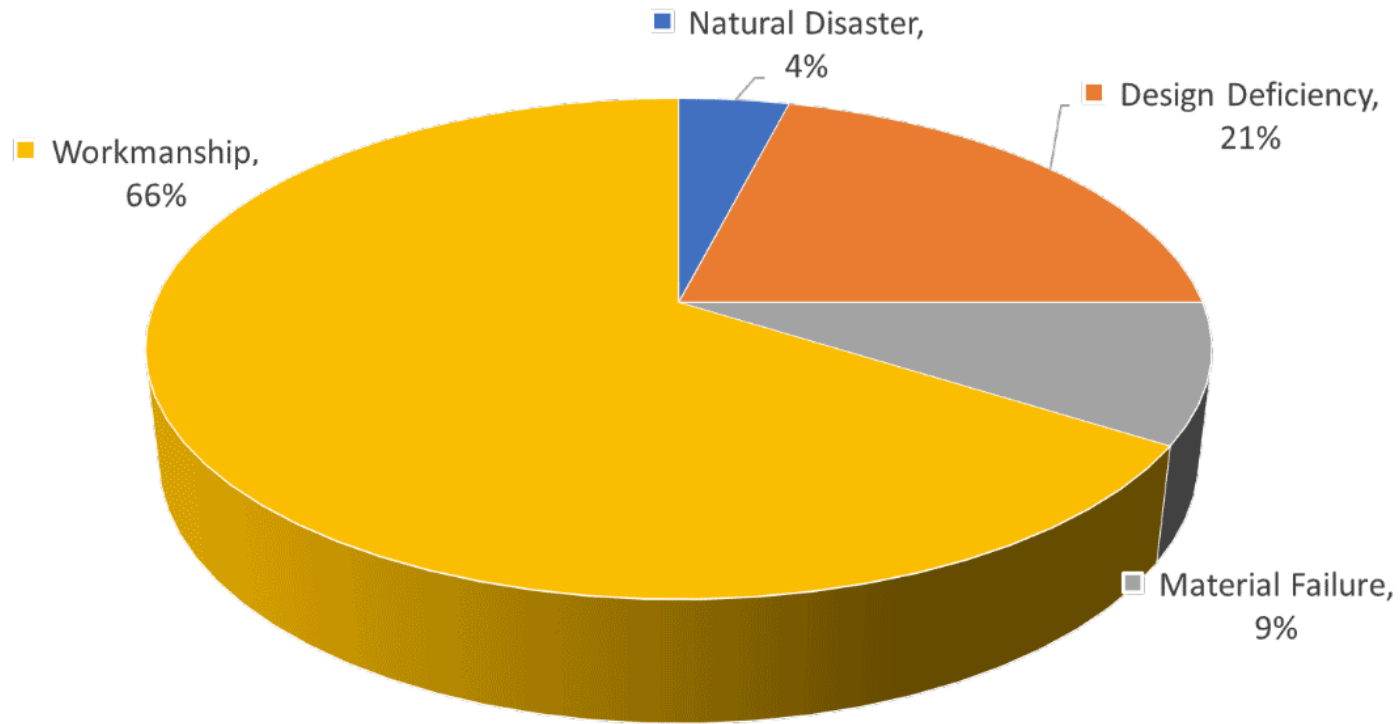


**AASHTO MaC
TSP2 Certification Update
July 24, 2018**

Background

- The goal of certification is to ensure that personnel have demonstrated the competency to engage in quality control and quality acceptance for a given preservation treatment.
- The best designs and materials are of no value without good workmanship.

Background



Causes of Poor Pavement Performance

Source: IBA Consultants, Inc.

Workmanship Issues



Workmanship Issues



Workmanship Issues



History

- Certification approved by the TSP2 Oversight Panel in April 2016
- Separate exams developed for agency employees and contractor employees
- Separate exams developed for Chip Seal, Slurry Systems, and Crack Treatments

Who Should Be Certified?

Agency

- Preservation Specialist
- One Senior Level Inspector for each Region/Division/District
- One Treatment Designer for each Region/Division/District
- Any outside consultants who provide inspection services

Contractor

- Superintendent
- Foreman
- Equipment Operator
- Company Trainer (if the position is designated)

Training Material

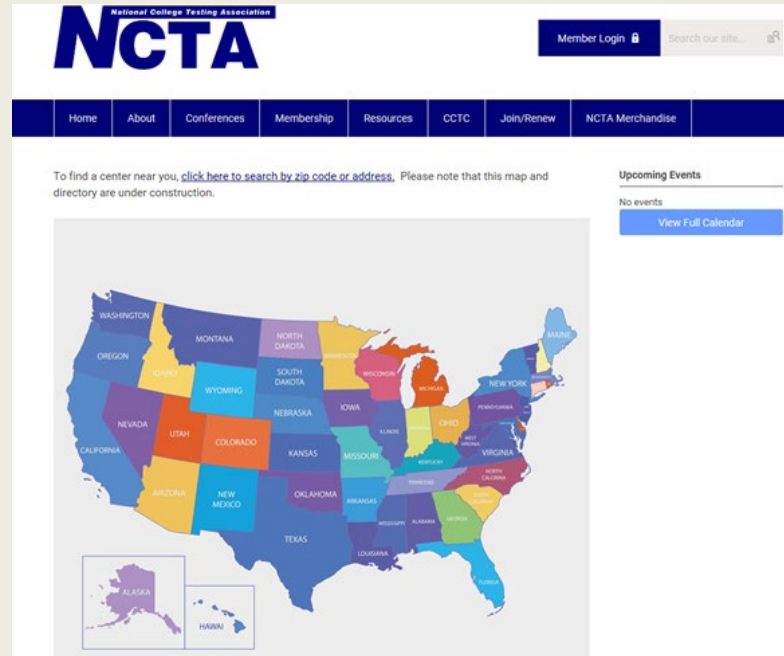
- ISSA Web-Based Training Courses www.slurry.org
 - Chip Seal
 - Slurry Systems Part I & Part II
 - Spreader Box
 - Crack Treatment
- NCPP Certification Session Guides www.tsp2.org
 - Chip Seal
 - Slurry Systems

Certification Exam

- Closed book, closed note exam
- Exams contain multiple choice and true/false questions
- 50-80 questions in length
- 70% score needed to pass
- Exams cover the following topic areas:
 - Project Selection
 - Materials
 - Equipment
 - Construction Practices
 - Troubleshooting
 - Quality control/quality assurance

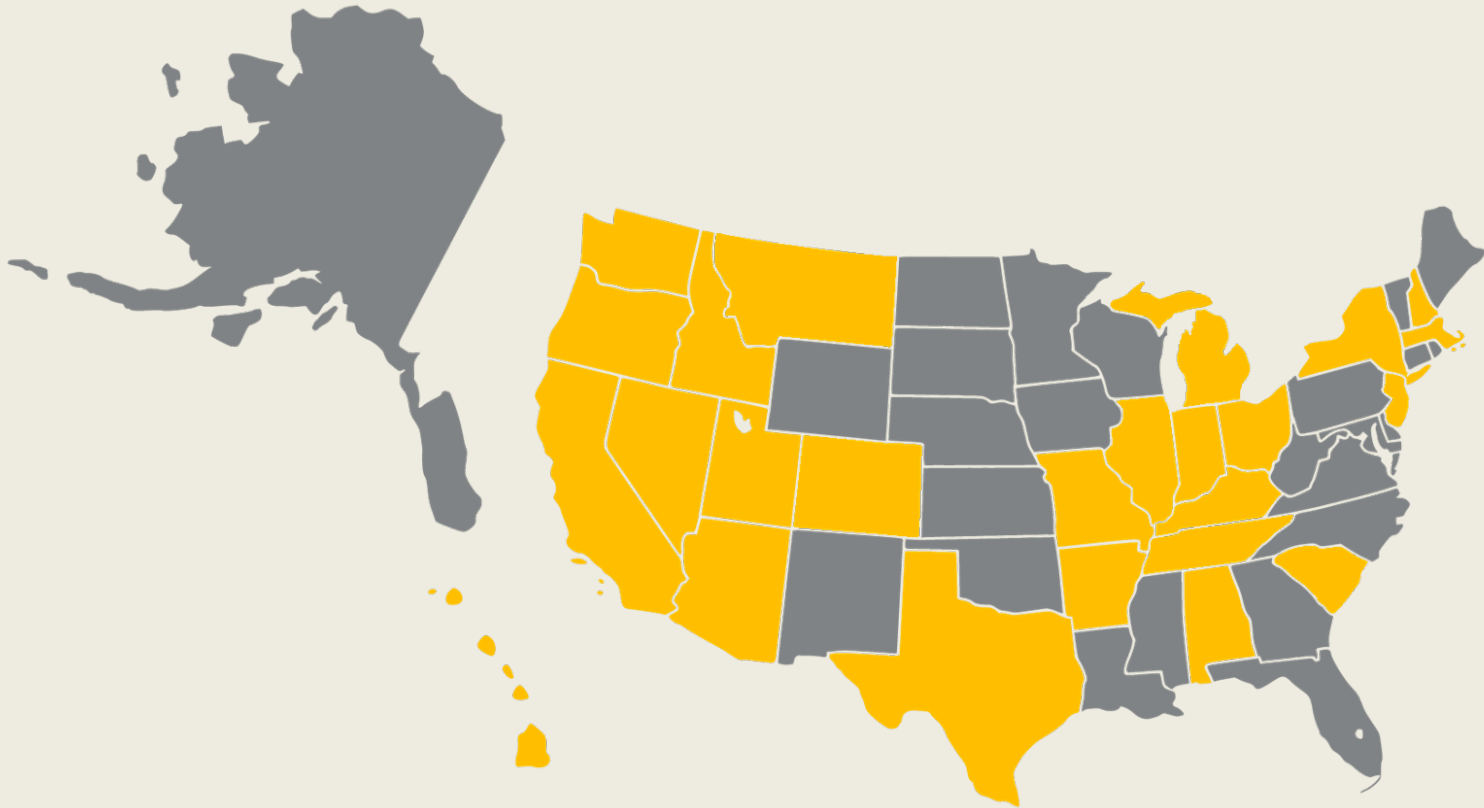
Exam Offerings

- In person with NCPP staff
- In conjunction with TSP2 Pavement Preservation Partnership Meetings
- ISSA Slurry Systems Workshop
- National College Testing Association



The screenshot displays the NCTA (National College Testing Association) website. At the top left is the NCTA logo. To the right of the logo is a "Member Login" button and a search bar with the placeholder text "Search our site...". Below the logo and search bar is a dark blue navigation menu with the following items: Home, About, Conferences, Membership, Resources, CCTC, Join/Renew, and NCTA Merchandise. Below the navigation menu is a text block that reads: "To find a center near you, [click here to search by zip code or address](#). Please note that this map and directory are under construction." Below this text is a map of the United States with each state labeled with its name. The map is color-coded by state. Below the map are two small inset maps for Alaska and Hawaii. To the right of the map is a section titled "Upcoming Events" which contains the text "No events" and a blue button labeled "View Full Calendar".

Certification Examinees



Certified Employees

- Those who pass receive a certification card valid for three years and are entered into a searchable online database on the TSP2 website.



Certified Employees Database

Last Name: First Name: Employer:

Certification: Expiration Date: From To

Show entries Search:

Last Name ^	First Name ^	Employer ^	Certification ^	Expiration Date ^
Abellanida	Jordan	Department of Public Works, County of Maui	Slurry Systems	04/30/2020
Abellanida	Jordan	County of Maui	Crack Treatment	04/30/2020
Agan	Raymond	Indiana DOT	Chip Seal	04/30/2020
Allen	Corinne	Placer County	Slurry Systems	04/30/2020
Ambere	Angel	Nevada Department of Transportation	Slurry Systems	06/30/2019
Anderson	Mark	Indiana DOT	Chip Seal	04/30/2020
Arney	Renee	Indiana DOT	Chip Seal	04/30/2020
Baggs	Taylor	Intermountain Slurry Seal, Inc.	Slurry Systems	02/29/2020
Baker	Matthew	City of Santa Rosa, California	Slurry Systems	04/30/2020
Baker	Matthew	City of Santa Rosa, California	Chip Seal	04/30/2020

Exam Statistics

Agency Exams			
	Number of Exams	Average Score	Pass Rate
Chip Seal	42	70.1%	55%
Slurry Systems	38	69.2%	58%
Crack Treatment	43	65.7%	44%
Consultant Exams			
	Number of Exams	Average Score	Pass Rate
Consultant Chip	13	69.9%	77%
Consultant Slurry	19	71.3%	74%
Consultant Crack	19	70.7%	58%
Contractor Exams			
	Number of Exams	Average Score	Pass Rate
Chip Seal	58	73.8%	69%
Slurry Systems	144	74.4%	77%
Crack Treatment	24	66.4%	33%
Agency Taking Contractor Chip	36	77.7%	88%
Agency Taking Contractor Slurry	61	71.1%	57%

- Total Exams Administered 497
- Certifications Issued 361
- Overall Pass Rate 73%

Company Certification

- First Contractor Submitted Documentation to Receive Company Certification in Summer 2018
 - Quality Control Plan
 - Documentation of Certified Key Employees
 - Documentation of Employee Training
 - Classroom Training or Web-Based Training (4 Hours)
 - On the Job Training (4 Hours)