

# Introduction to AASHTO Accreditation

Casey Soneira

*Assistant Manager, LAP*

*AASHTO re:source*

*October 13, 2016*

# What is accreditation?

- What does it mean to you?
- Why would someone use it?
- What's the definition?



# Your poll will show here

1

Install the app from  
[pollev.com/app](https://pollev.com/app)

2

Make sure you are in  
Slide Show mode

Still not working? Get help at [pollev.com/app/help](https://pollev.com/app/help)  
or

[Open poll in your web browser](#)



# Definitions

- Accreditation: “A third-party attestation related to a conformity assessment body conveying formal demonstration of its **competence** to carry out specific conformity assessment tasks”

— ISO/IEC 17011

# Who uses accreditation?

- Schools
- Businesses (ISO 9001)
- Labs of all kinds...
- Specifying agencies

# **Agencies Specifying AASHTO Accreditation**

# Why is it so important?

- Third party objective evidence
- Industry-wide improvements
- Recognition of quality and competency



# Your poll will show here

1


Install the app from  
[pollev.com/app](https://pollev.com/app)

2

Make sure you are in  
Slide Show mode

Still not working? Get help at [pollev.com/app/help](https://pollev.com/app/help)  
or

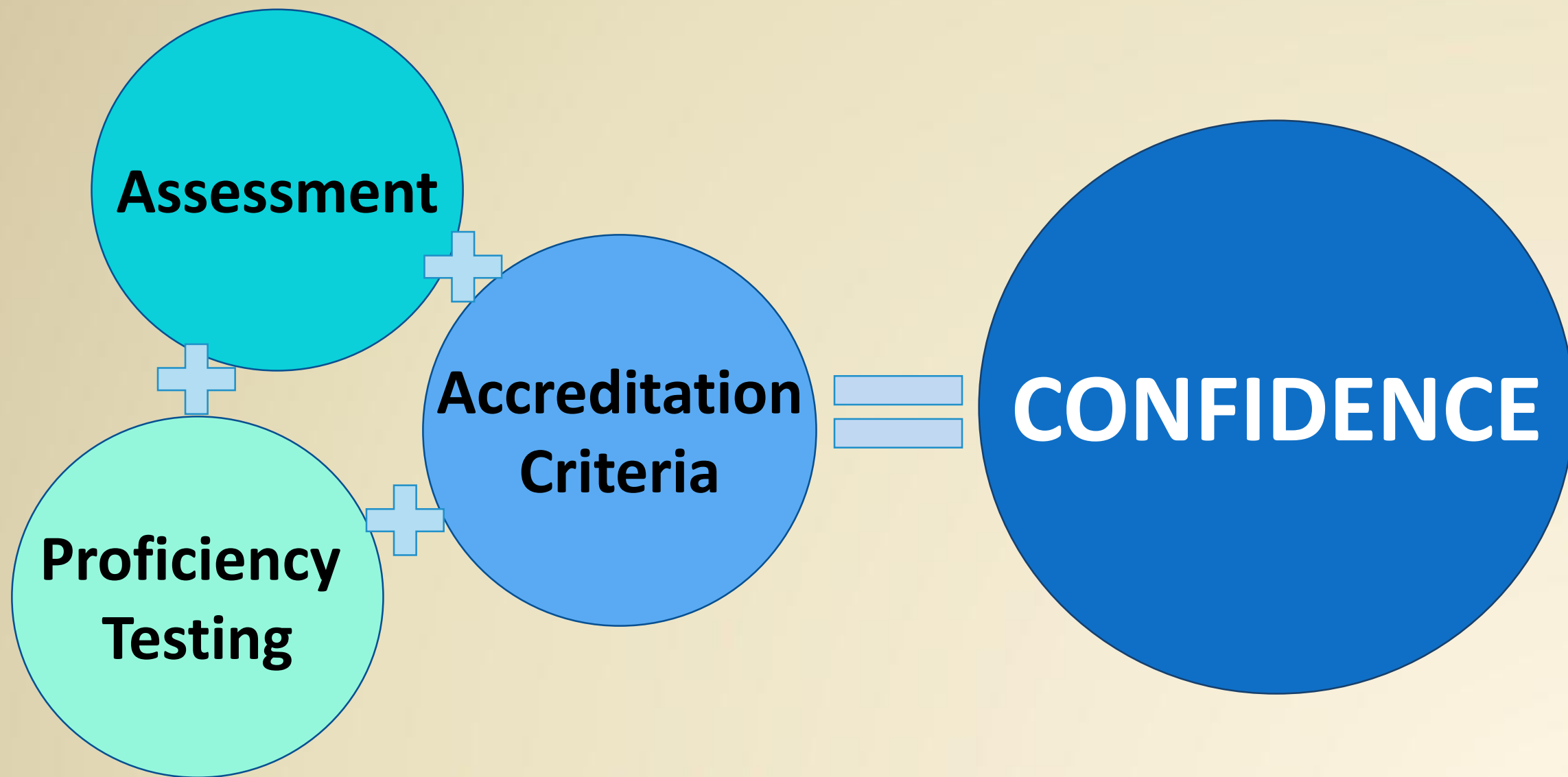
[Open poll in your web browser](#)





# How does AASHTO re:source evaluate competence?

- On-site assessments
- Proficiency testing
- Quality system implementation



# Roadmap to accreditation

Develop Quality  
Management System

Implement Quality  
Policies and Testing  
Practices

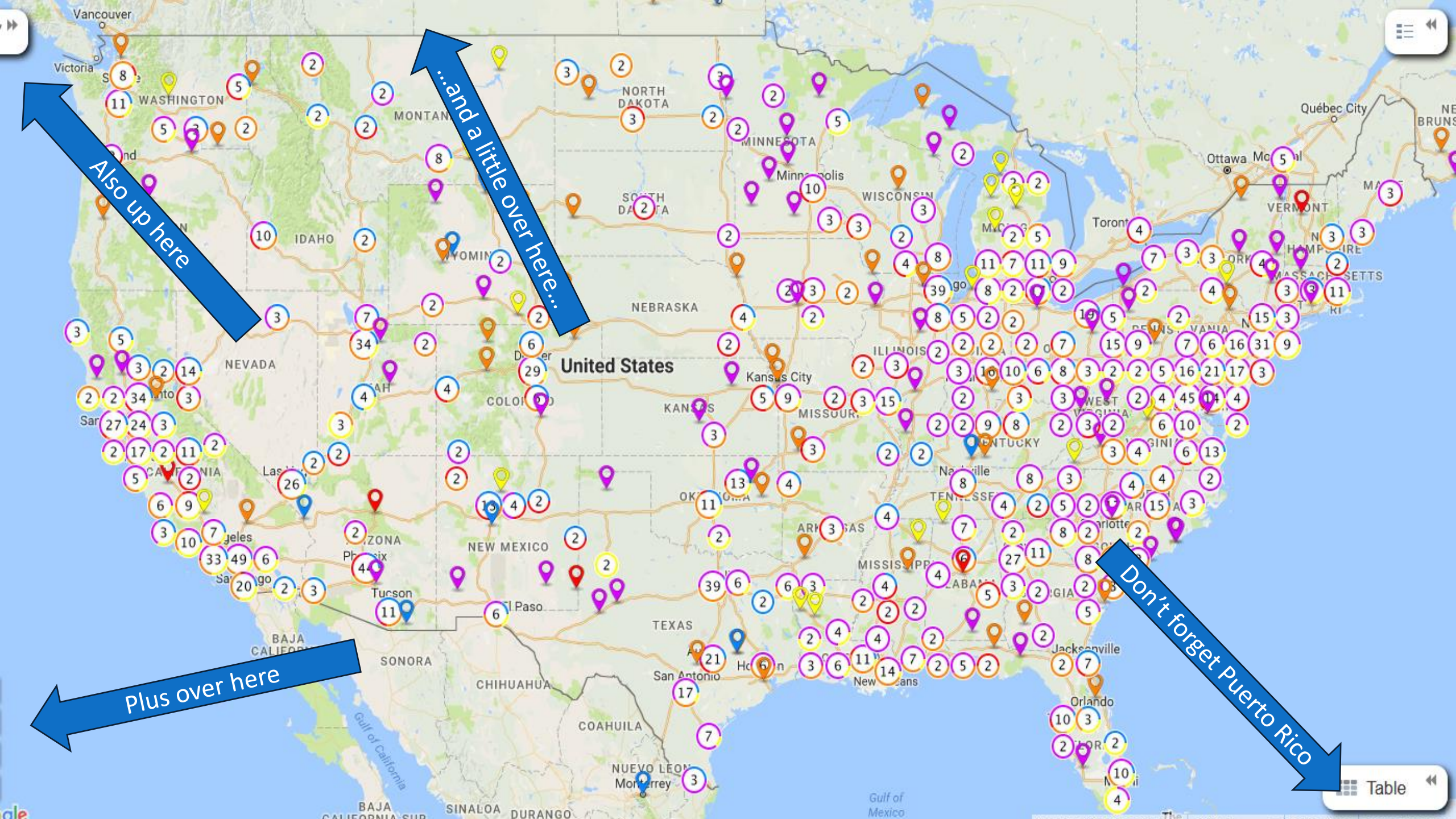
Participate in  
Assessment &  
Proficiency Testing

Resolve Issues / Prove  
Conformance

# Assessments

- Provide non-biased evaluation of testing procedures, equipment, and quality management systems
- Based on the tests you choose
- Assessment interval of approximately 2 years





Also up here

...and a little over here...

Plus over here

Don't forget Puerto Rico













# Pavement Preservation Tests

---

Cone Consistency

---

Set Time

---

Cohesion testing

---

Wet Track Abrasion (WTAT)

---

Loaded Wheel Tracker Sand Adhesion

---

Mix Time

---

Wet Stripping

---

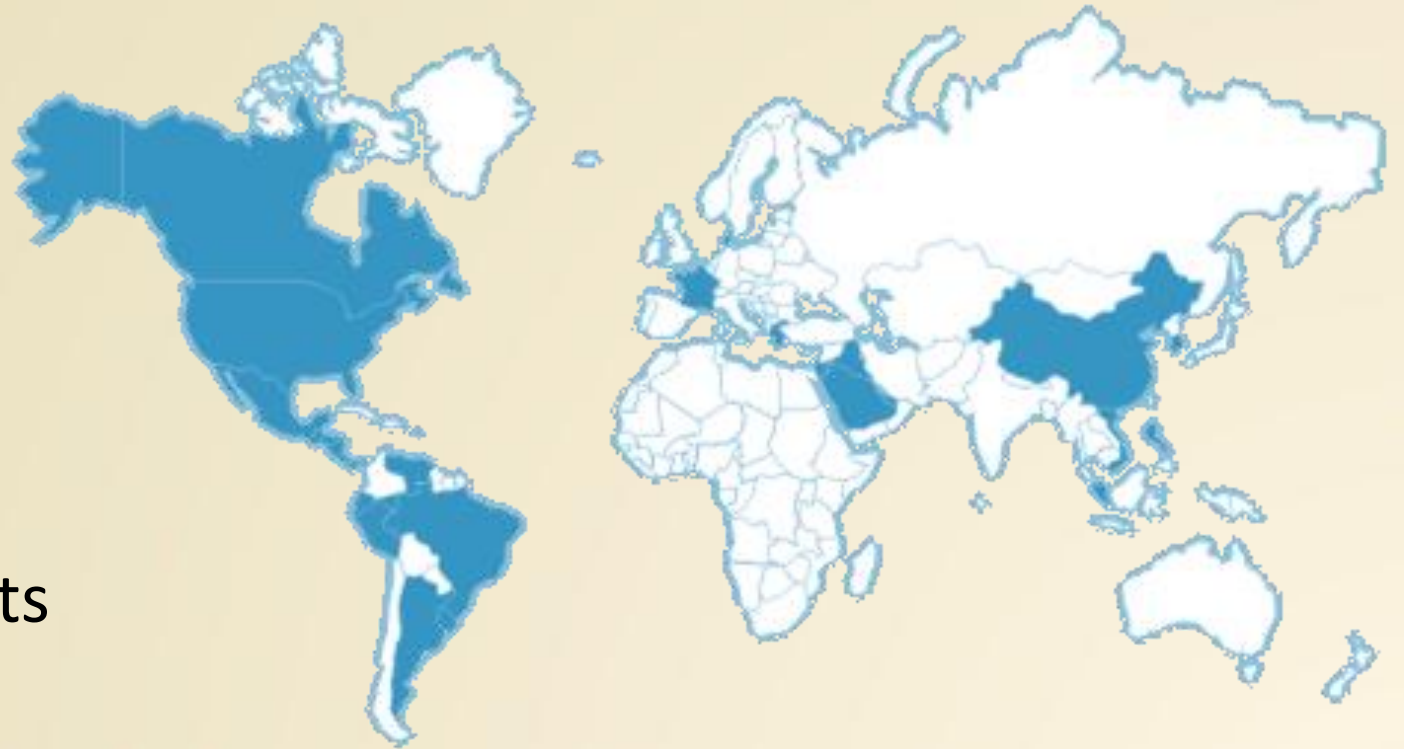
SBR

---

Stability and Resistance to Compaction by LWT

# Proficiency Testing

- Over 22,000 samples shipped annually
- 38 countries
- Each sample is hand made
- Comparison testing
- Precision and bias statements
- Known values for training





AMRL Slurry and Micro Systems (SMS)  
Samples 1(A) and 2(B)  
Closing Date: 8/25/16  
Disregard if Extra Proficiency Sample  
(XPS)



Materials Reference Laboratory  
www.amrl.com

Enough Fine Aggregate  
For Samples (A) and (B)

Distilled Water  
Samples (A) and (B)

Emulsion  
Samples (A) and (B)

Portland Cement  
Samples (A) and (B)

2016 AMRL Slurry and Micro-surfacing Systems Samples 1(A) and 2(B)  
Data Sheet  
Closing Date: August 25th, 2016

We encourage you to use the online data entry system to submit your results. Call you may fax 240-430-4000 or email your data sheet.  
John J. Maloney, AMRL, 4441 Buckleberry Lane, Suite A, Frederick, MD 21704. If your laboratory is not registered to submit  
results online, or if there are questions, contact AMRL at info@amrl.com or call 240-430-4000.

Note Regarding the Samples: Be aware that both samples consist of similar aggregates, emulsion, cement and water. Moisture content for sample 1(A) is not identical to the design for sample 2(B).

Also Note: The outside of this box is labeled samples 1(A) and 2(B). The bags and bottles inside this box are labeled only 1(A) or 2(B).  
The materials labeled (A) is Sample 1. The materials labeled (B) is Sample 2.

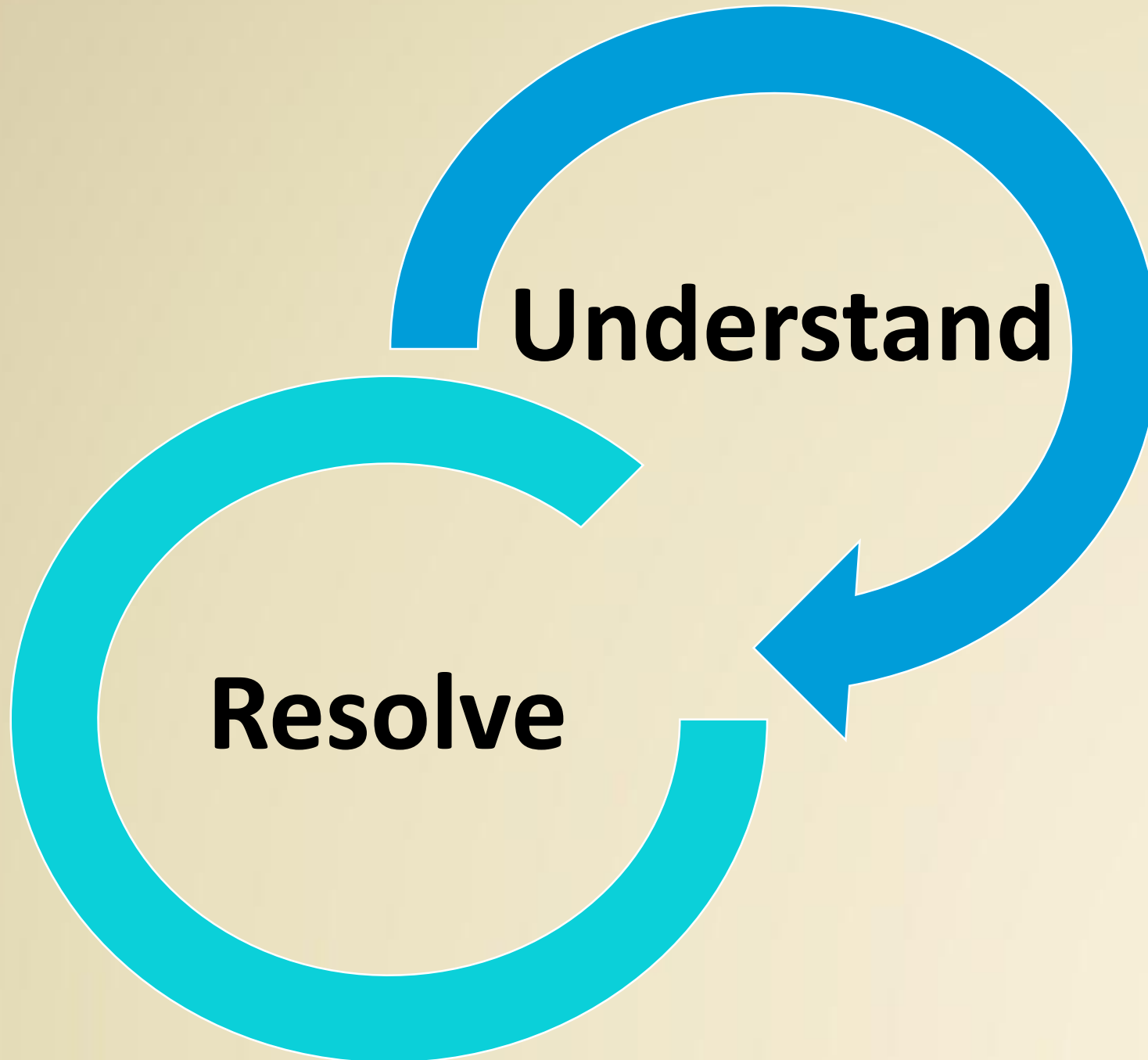
Emulsion Type: CGS-1, 2.0% Emulsifier - Aggregate: Crushed Limestone  
Moisture Content (As Received) 12.5% (CGS)

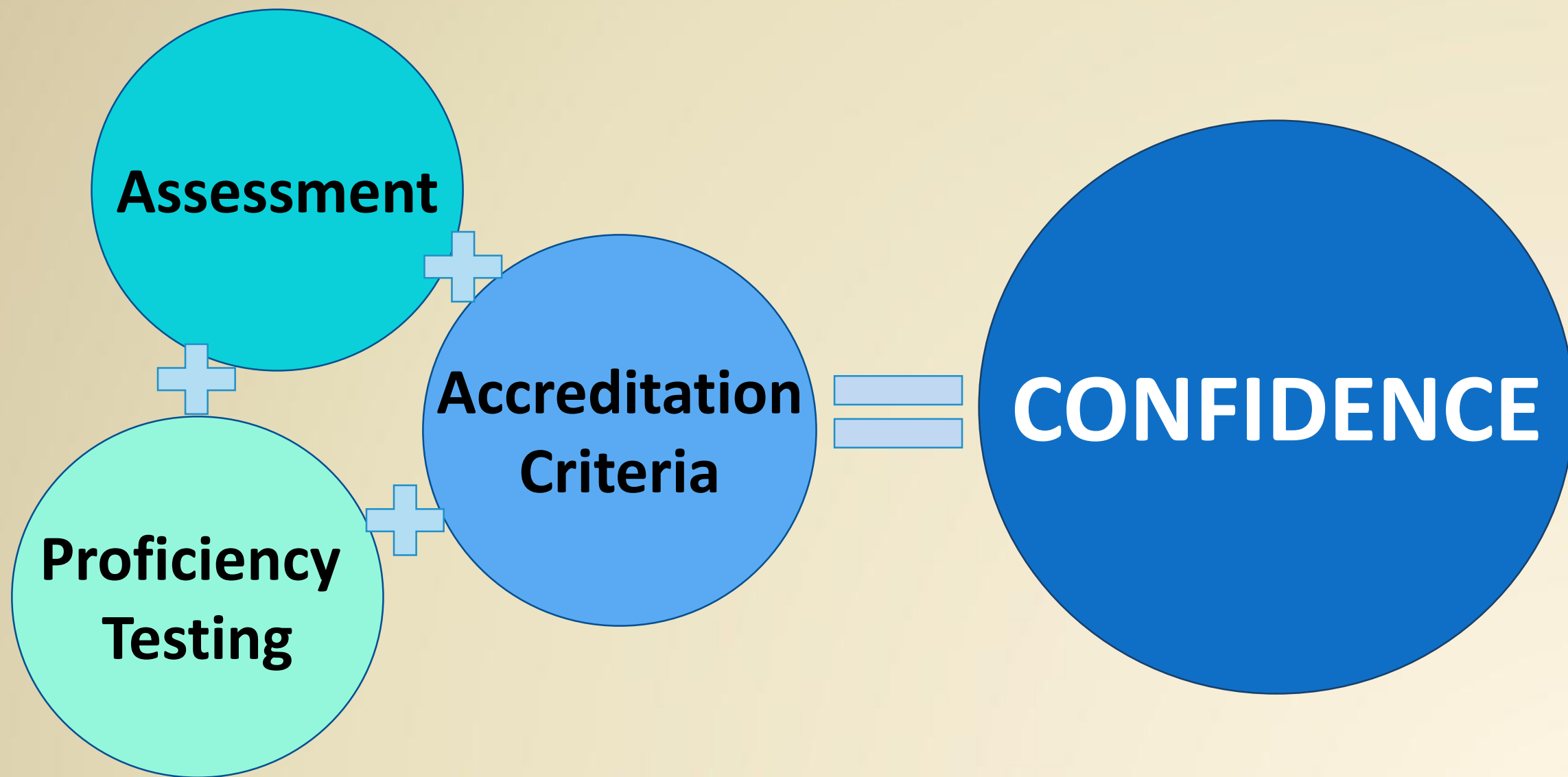
# AASHTO Accreditation (AAP)

- 650+ tests
- 13 scopes (materials)
- ~1900 accredited labs

# AASHTO Accreditation (AAP)

- Monitor progress and conformance
  - Corrective action process
- Quality Management System Implementation
- Oversight Committee







# AASHTO re:sources

- Extensive library of technical, quality, and testing-related newsletter articles
- Free quality management system webinar training
- Technically knowledgeable & available staff
- AASHTO re:source Technical Exchange – March 2017

# Casey Soneira

*Assistant Manager, LAP*

[csoneira@ashtoresource.org](mailto:csoneira@ashtoresource.org)

W 240-436-4863

C 240-575-8368

[www.ashtoresource.org](http://www.ashtoresource.org)



# Additional Resources

- Newsletter articles

- [Seven Steps for a "Perfect" On-Site Assessment](#)
- [Get to the Root of the Problem: Root Cause Analysis \(RCA\) Explained](#)
- [Proficiency Sample Ratings: Being Average Has Never Been So Good](#)
- [A Beginner's Guide to AASHTO Accreditation](#)
- [Maintaining AASHTO Accreditation, Maintaining Quality](#)
- [Internal Auditing: Just the Facts, Ma'am!](#)
- [The Road to Developing an Effective Quality Management System \(QMS\): Part 1 - Why Bother?](#)

- Videos

- <http://aashtoresource.org/university>