

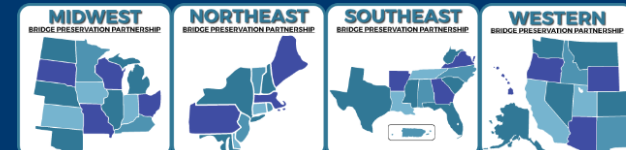
Infrastructure Rebuild

What AMPP Has to Offer the DOT World

AMPP: The Global Leaders in Materials Protection and Performance

Jennifer Merck
Business Development Director

Sarah Olthof
Senior Manager – Technical Engagement



Today...



What is AMPP and its Mission?

Mission

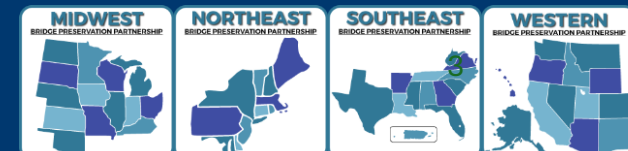
Advancing materials performance to protect society, assets, and the environment.

Vision

A world built and protected with safe, reliable, sustainable materials.

- AMPP, the Association for Materials Protection and Performance, is a global community of professionals dedicated to materials protection through the advancement of corrosion control and protective coatings.
- AMPP protects infrastructure and assets worldwide through member and workforce education and credentialing, company accreditation, technological innovation, and global standardization.

The Global Leaders in Materials Protection and Performance



AMPP By the Numbers



35,000+ Members in
140 Countries



1,248 Education Courses Held in 42
Countries



920 Corporate Members



450 Certified Instructors



54 Technical Committees
27 Standards Committees
500+ Standards Projects
2,000+ Standards Volunteers
4,300+ TCI Members



29,000+ In-person and Online
Students



500+ Standards and Technical
Reports



80,217 Certifications

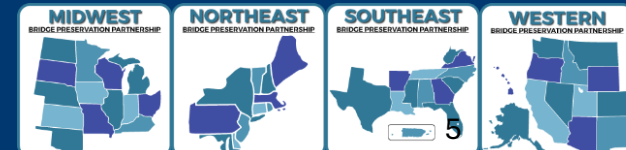
Elevate Your Membership Experience: More Benefits at a Lower Cost

Members now pay only \$99, benefits include:

- Complete Access to AMPP Standards: Starting September 2024
- Gain entry to all conference papers and our extensive magazine archives.
- Exclusive Member Discounts
- Broadened Networking Opportunities



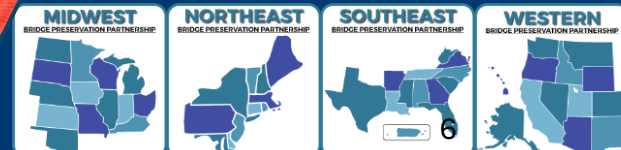
The Global Leaders in Materials Protection and Performance



Corporate Members Enjoy Extra Benefits at No Additional Cost

- **AMPP exhibit discounts**
- **Certification fee waivers**
- **QP discounts**
Save on new accreditation and renewals
- **Advertising discounts**
- **AMPP eCourses**
Access to our eCourses
- **Member-only discounts**
Save more on AMPP products
- **Personalized support**
Concierge support included

The Global Leaders in Materials Protection and Performance





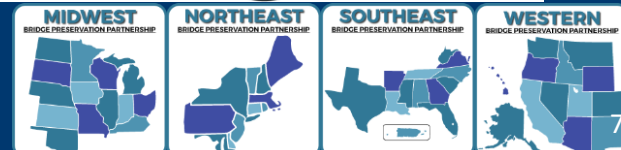
AMPP Membership

- A platform to engage and network with professional peers
- Community connection through local chapters worldwide
- Access to an array of knowledge resources
- Career advancement opportunities
- Leading industry publications
- Discounts on AMPP events
- Career Center Access
- Corporate visibility
- Scholarships
- Awards



NATIONAL BRIDGE PRESERVATION CONFERENCE 2024

More opportunities to expand your skills, knowledge, and experience....





Corrosion on Bridges

Bridges in the United States are likely to experience significant corrosive damage

- Areas that frequently apply **snow and ice** melting compounds to bridges
- **Industrial areas** with airborne pollutants
- **Coastal areas**, where bridges are impacted by salt water, high humidity, and extreme storms

Successful Bridge Painting Projects

Well Written Specifications

- Understandable and enforceable
- Reference **industry standards**

Quality Contractors

- Experienced in bridges
- Following **industry best practices** for:
 - Surface Preparation
 - Application
 - Quality Control

Good Inspection

- **Certified coating inspectors**
- Experience on bridge projects
- In house or 3rd Party **Quality Assurance**



Coatings and Corrosion Education

AMPP Certifications & Courses

Industrial Coating Applicator (ICA)

Abrasive Blaster Certification (C7)

Spray Applicator Certification (C12)

Bridge Coatings Inspector (BCI)

Concrete Coating Inspector (CCI)

Coating Inspection Programs (CIP)

Fundamentals of Protective Coatings (C1)**

Planning and Specifying Industrial Coatings Projects (C2)**

Concrete Coating Basics (CCB)**

Lead/Hazardous Paint Removal Initial (C3)*

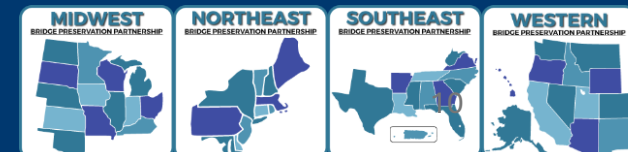
Lead/Hazardous Paint Removal Refresher (C5)*

Cathodic Protection (CP)

**Courses **eCourses*



The Global Leaders in Materials Protection and Performance





Coating Inspector Certification (CIP)

- Concrete Coating Inspector (CCI)
- Bridge Coating Inspector (BCI)

Managers / Engineers / Specifiers

Fundamentals of Protective Coatings (C1) - eCourse

- coatings materials
- preparing surfaces
- achieving performance from a coating

Planning & Specifying Industrial Coatings (C2) - eCourse

- Planning
- Awarding
- Managing
- monitoring the quality of coating projects
- for new construction or maintenance

Concrete Coating Basics (CCB) - eCourse

- Covers concrete condition assessment
- joint and crack repair
- concrete coating types
- surface preparation, application, and guidelines for quality

Protective Coating Specialist (PCS) – certification

- Demonstrate a broad depth of knowledge in the principles and practices of industrial coatings technology
- Involved in specifications, work plans, submittal documents, quality assurance, failure investigation, and repair recommendations



Lead/Hazardous Paint Removal

- **C3 Initial:** 4 Days/32 Hours
- **C5 Refresher:** 1 Day/8 Hours
- These programs contain specific discussions on:
 - protecting workers
 - compliance with environmental regulations
 - proper management of waste streams
 - operations that result in potential exposures to lead and other hazards
 - associated control technology



Craft Worker Training and Certification

Industrial Coating Applicator (ICA)
Instructor-Led Program



Abrasive Blasting Program (C7)



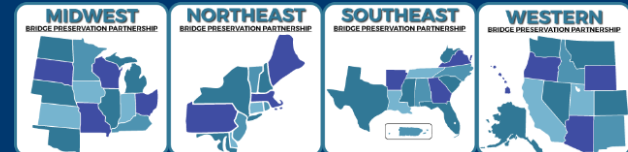
Airless Spray Basics (C12)



Industrial Coating Applicator (ICA) Instructor-Led Program



A flexible training subscription program designed to meet the needs of the current workforce



Abrasive Blasting Program (C7)

- **Level:** Intermediate
- **Duration:** 2 Days
- **Credits:** 0.6 CEU's
- **Certification Term:** 5 Years

C7 is designed for

- contractor personnel who wish to obtain certification
- anyone to learn about dry abrasive blast cleaning of steel



Airless Spray Basics (C12)

- **Level:** Intermediate
- **Duration:** 2 Days/16 Hours
- **Credits:** 0.6 CEU's
- **Certification Term:** 5 Years

Program assesses the skills of experienced sprayers

Requires a minimum of 800 hours experience applying protective coatings with airless spray in an industrial or marine environment



Cathodic Protection (CP)

- **Level:** Intermediate
- **Duration:** 5 Days
- **Credits:** 4.5 CEU's
- **Certification Term:** 3 Years

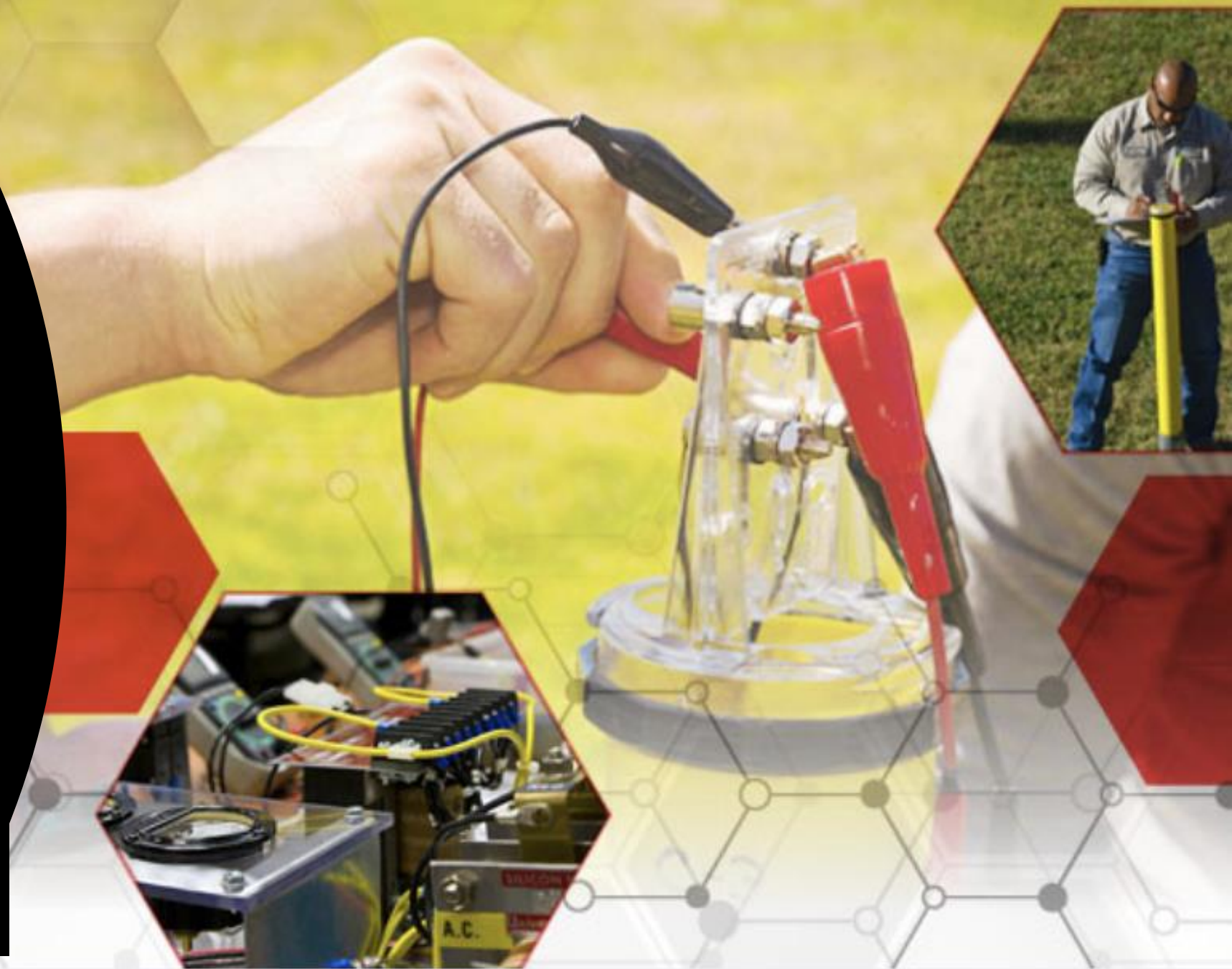
Cathodic Protection Tester certification designed for individuals who

- observe
- Record
- or measure

the effectiveness of CP systems

The program:

- addresses field personnel functions
- provides entry into CP profession



Contractor Accreditation

QP1 - Field Coating Application

QP2 - Field Coating Removal

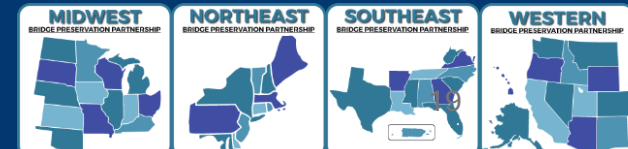
QP3 - Shop Coating Application

QP5 - Inspection Company Accreditation

AB1 Qualification Program - List of non-metallic abrasives certified to meet AB1 requirements



The Global Leaders in Materials Protection and Performance



When You Specify **QP**, You Specify **Quality**!

- The QP Program (Quality Program) provides tremendous benefits to specifying asset and facility owners, as well as industrial and architectural coatings contractors.
- The program provides clearly defined standards and access to more high-quality jobs for contractors and risk reduction and recourse for asset owners.
- Many asset owners use the QP Program for pre-qualification as all QP accredited contractors must meet the same rigorous quality standards and undergo the QP field audit process.



Contractor Certification

- **QP for Contractors**
 - Join the elite group of dedicated contractors across the globe with industry-standard capabilities, and a commitment to exceptional quality.
- **Benefits for Contractors:**
 - Owner specified
 - Clear quality standards
 - Reduced risks
 - Proves value to customers
- **Benefits for Facility Owner:**
 - FREE to the facility owner - 3rd party evaluation tool
 - Aids in extending coating system service life
 - ANSI ISO/IEC 17020 Inspection Accreditation
 - Meets ISO 12944-7 Section 3.1 Qualification

A QP Contractor shows commitment to worker safety, protection of the environment, and public welfare.

Standards Development Program

More than 2,000 volunteers participate

56 countries & over 900 organizations are represented

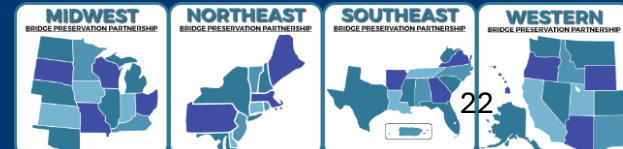
27 Standards Committees (SCs)



The Global Leaders in Materials Protection and Performance



NATIONAL BRIDGE PRESERVATION CONFERENCE 2024
Innovation for Infrastructure Resiliency



AMPP Standards Committees

SC 01	Cathodic/Anodic Protection
SC 02	External Coatings-Atmospheric
SC 03	External Coatings-Buried & Immersed
SC 04	Linings & Internal Coatings
SC 05	Surface Preparation
SC 06	Process Industries
SC 07	Defense & Aerospace
SC 08	Metallic Material Selection & Testing
SC 09	Non-metallic

SC 10	Asset Integrity Management
SC 11	Electric Power
SC 12	Concrete Infrastructure
SC 13	Corrosion Monitoring & Measurement
SC 14	Oil and Gas-Upstream
SC 15	Pipelines & Tanks
SC 16	Oil and Gas-Downstream
SC 17	Rail & Land Transportation
SC 18	Water & Wastewater

SC 19	Maritime
SC 20	Internal Corrosion Management
SC 21	Mining & Mineral Processing
SC 22	Biodeterioration
SC 23	Coating System Application, Maintenance, and Inspection
SC 24	EHS/Regulatory
SC 25	Accreditation Standards
SC 26	Carbon Capture, Alternative Fuels, and Energy Storage
SC 27	Mechanical Insulation

AMPP Standards



EH&S / Regulatory (SC24)

- PA Guide 10 Guide to Safety and Health Requirements for Industrial Painting Projects
- Guide 7 Guide to the Disposal of Lead-Contaminated Surface Preparation Debris
- Guide 6 Guide for Containing Surface Preparation Debris Generated During Paint Removal Operations
- Guide 21568 Containment System Support Structure and Platform Design
- Guide 18 Specifier's Guide for Determining Containment Class and Environmental Monitoring Strategies for Lead Paint Removal Projects
- Guide 17 Guide to Developing a Safety Program for Industrial Coating and Lining Companies
- Guide 16 Specifying and Selecting Dust Collectors
- Guide 12 Guide for Illumination of Industrial Painting Projects



Coating System Application, Maintenance, and Inspection (SC23)

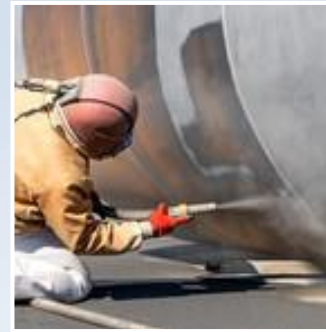
- PA 2 Procedure for Determining Conformance to Dry Coating Thickness Requirements
- PA 1 Shop Field and Maintenance Painting of Steel
- TU 3 Overcoating Existing Coating Systems Applied to Steel Substrates
- TU 9 Estimating Costs for Protective Coatings Projects
- TR 4 Preparation of Protective Coating Specifications for Atmospheric Service
- SSPC-CS 23.00/AWS C2.23M/NACE No. 12, Specification for the Application of Thermal Spray Coatings (Metallizing) of Aluminum, Zinc, and Their Alloys and Composites for the Corrosion Protection of Steel
- PA Guide 5 Guide to Maintenance Coating of Steel Structures in Atmospheric Service
- PA Guide 11 Protecting Corners, Edges, Crevices, and Irregular Steel Geometries by Stripe Coating
- PA Guide 13 AASHTO/NSBA S8.1/SSPC-PA Guide 13, Guide Specification for Application of Zinc-Rich Primers to Steel Bridges

AMPP Standards



Atmospheric Coatings (SC02)

- Guide 12 – Guide to Zinc Rich Coating Systems
- PAINT 20 – Zinc-Rich Coating
- Guide 9 – Guide for Atmospheric Testing of Coatings in the Field
- Guide 19 – Selection of Coatings for Use Over Galvanized Substrates
- Guide 14 -Guide for the Repair of Imperfections in Galvanized Organic or Inorganic Zinc-Coated Steel Using Organic Zinc-Rich Coatings
- Guide 10 - Guide to Specifying Coatings Conforming to Volatile Organic Compound (VOC) Content Requirements



Surface Prep (SC05)

- AB 1 & AB2 Abrasive specifications
- SP COM Surface Preparation Commentary for Metal Substrates
- SSPC-SP 5/NACE No. 1, White Metal Blast Cleaning (SP21065)
- SSPC-SP 10 /NACE No. 2, Near-White Metal Blast Cleaning (SP0594)
- SSPC- SP 6/NACE No. 3, Commercial Blast Cleaning (SP0694)
- SSPC-SP 7/NACE No. 4, Brush-Off Blast Cleaning (SP0794)
- SP 16 Brush-Off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals
- SP0287 Field Measurement of Surface Profile of Abrasive Blast Cleaned Steel Surfaces Using a Replica Tape
- SP 2 Hand Tool Cleaning
- SP3 Power Tool Cleaning
- SP11 Power Tool Cleaning to Bare Metal
- SP15 Commercial Power Tool Cleaning

AMPP Standards

What happened with SSPC and NACE standards post merger?

Published SSPC and NACE Documents:

- Retain their original designation (e.g. SSPC SP10)
- Content will be updated as needed
- New formatting with AMPP logo and copyright

New Documents:

- Created under AMPP Standards Development Process
- Assigned AMPP designations (e.g. AMPP SP21511 Laser Ablation for Surface Preparation of Ferrous Metals, Pulsed Laser (LA-1))

Surface Preparation Visual Guides

VIS 1 – Guide and Reference Photographs for Steel Surfaces Prepared by Dry Abrasive Blasting

VIS 2 - Standard Method for Evaluating Degree of Rusting on Painted Steel Surfaces

VIS 3 - Guide and Reference Photographs for Steel Surfaces Prepared by Hand and Power Tool Cleaning

VIS 4 - Guide and Reference Photographs for Steel Surfaces Prepared by Waterjetting



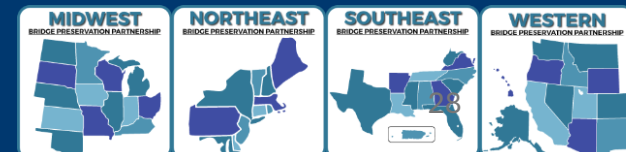


Technical Communities of Interest (TCIs)

A TCI is a group of people who share a common technical interest.

As a member of a TCI you can participate in:

- Discussion at-will on the selected topic via our online community platform
- Information exchanges
- Connection via meetings, in-person and virtual
- Anyone can join an AMPP TCI (AMPP membership is not required)



AMPP has over 40 TCIs

<https://www.ampp.org/technical-research/technical-program>

Transportation & Infrastructure

- TCI - Regulatory (incl. OSHA, EPA)
- TCI - Bridge
- TCI - Construction
- TCI - Concrete

Coatings

- TCI - Surface Preparation
- TCI - Atmospheric Coatings
- TCI - Coatings Inspection

Utilities

Corrosion Management

Cathodic Protection

Pipeline and Tanks

Defense

Global Engagement

Materials

Oil and Gas

Process Industry

AMPP AMPP Annual Conference + Expo 2025

Presentation Forums

- Bridge Coatings Forum
- DOT Peer Forum

Information Exchanges - AMPP Technical Communities of Interest (TCIs)

- Bridge, including EH&S and Regulatory
- Construction
- Concrete

Quality Procedures (QP) Program Meetings

Standards Development Committee Meetings:

- SC02 - External Coatings – Atmospheric
- SC05 - Surface Preparation
- SC12 - Concrete Infrastructure
- SC23 - Coating System Application, Maintenance, and Inspection
- SC24 - EH&S / Regulatory
- SC25 – Accreditation Standards (QP Documents)

Are you attending?

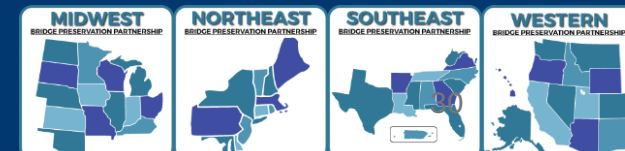
YES, I WILL BE THERE

NO

Be a part of innovation!

April 6-10, 2025

Nashville, TN, United States



Upcoming AMPP Events

- [AMPP Annual Conference + Expo 2025](#)

Sunday, April 6 - Thursday, April 10, 2025

Nashville, TN, United States

- [AMPP Annual Conference + Expo 2026](#)

Sunday, March 15 - Thursday, March 19, 2026

Houston, TX, United States

- [AMPP Annual Conference + Expo 2027](#)

Sunday, April 11 - Thursday, April 15, 2027

Columbus, OH, United States

- [AMPP Annual Conference + Expo 2028](#)

Sunday, March 5 - Thursday, March 9, 2028

San Antonio, TX, United States

Questions??

THANK YOU

[www.AMPP.ORG](http://www.ampp.org)



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Innovation for Infrastructure Resiliency

