

## **Pavement Preservation Construction Inspection (CCI-04)**

### **COURSE OUTLINE**

#### **Part 1 Pavement Preservation Construction Inspection**

Introductions and Purpose of Seal Coats

Construction Inspection teaching objectives

- Construction Inspector Responsibilities
- Quality Control and Quality Assurance
- Safe Operations
- Control of Work (Engineers Authority)
- Governing Order of Contract Documents
- Special Provisions, Plans, and Quantities
- Daily Reports
- Project Location and Best Practices
- Contractor Responsibilities
- Final Inspection

#### **Part 2 Construction Inspection of Fog Seals**

Introduction

Construction Inspection of Fog Seals Class Objectives

- What is a Fog Seal
- Purpose of a Fog Seal and Effectiveness
- Preconstruction meeting
- Sequence of Operation
- Review the Equipment, Materials
- Review the key Specification and application requirements
  - Weather, Prep, rates, mixtures, sampling, testing
  - Mandatory Dilution Rate 50/50
- SAFETY and Risks
- Documentation- Daily Diaries- equipment materials and labor
- Field Verification and Contract Compliance
- Acceptance and Final Inspection

### **Part 3 Inspection of Slurry Seal and Micro-Surfacing**

#### Introduction

#### Construction Inspection of Slurry Seals and Micro-Surfacing Class Objectives

- What is a Slurry Seal/Micro-Surfacing
- Purpose of a Slurry Seal/Micro-Surface Seal
- Types of Slurry Seal and Micro-Surfacing
- Key Difference of Slurry Seal/Micro-Surface
- Special Provisions and Resources available
- Types of Equipment
- Basis of Payment (Wet Ton calculation)
- Importance of the Preconstruction meeting
- Best Practices and Sequence of the Operations
- Test Strip expectations
- Contract Compliance and Acceptance Requirements
- Documentation- Daily Diaries
- Key Points of Inspection
- Final Acceptance

### **Part 4 Inspection of Chip Seals**

#### Introduction

#### Construction Inspection of Slurry Seals and Micro-Surfacing Class Objectives

- What is a Chip Seal
- Purpose of a Chip Seal
- Types of Chip Seals and Expectations
- Safety and Risks
- Preconstruction meeting
- Documentation- Daily Diaries
- Special Provisions and Quantity Back-check
- Contract Compliance and Acceptance Requirements (Aggregate and Binder)
- Key Points of Inspection
- Sequence of Chip Seal Operation
- Chip Sealing Best Practices
- Equipment used
- Application verification
- Inspection during operations
- Post inspection
- Final Acceptance