



Quality in the Concrete Paving Process

Workshop Background

FHWA is offering a 2-day workshop to state highway agencies and contractors covering the benefits of a good Quality Assurance program and how it can be used to increase the longevity of concrete pavements. This can be accomplished through a focus on quality in the constructed product. It will emphasize that everyone must understand their roles and impacts on the overall quality of pavement. This effort will benefit everyone involved in the project, both in a global sense and a personal sense. This is not a workshop about the details of Quality Assurance. It is a practical overview of what leads to increased quality with real world examples and helpful in-the-field reference materials.

The workshop is free with a maximum of 30 attendees to encourage participation

The Mobile Concrete Laboratory (MCL) will come to the state and collect data on a current PCC paving project (if one is available) prior to the workshop. The MCL will provide an opportunity to demonstrate technologies to agency and contractor staff. Data from this testing will be incorporated into the workshop to illustrate the principles covered with actual local examples.

Who Should Attend?

- Central Office DOT Construction Staff
- Central Office DOT Materials Staff
- District/Region DOT Construction Staff
- District/Region DOT Materials Staff
- Contractor Superintends
- Contractor QC Managers
- FHWA Division Office Staff

What Will You Learn?

A multifaceted approach to increasing the knowledge and potential benefits of the Quality Assurance process.

- Introduction to Quality Assurance
- Quality Control



- What do we test?
- QC Plan
- Agency Acceptance
 - Material Acceptance
 - What is important?
 - Targets vs. limits
 - Construction Inspection
 - Follow the QC Plan
 - Approach to QA

Program Materials

Workshop participants will be provided with:

- Participant Manual
- Field Quality Guide
- Testing Guide
- Flash Drive containing Participant Manual, Field Quality Guide, Testing Guide, IMCP Manual, and ACPA Concrete Pavement Field Reference Series for pre-paving and paving along with other reference materials.

Workshop Training Instructors:

Jim Grove
Global Consulting Inc. / FHWA
Office of Infrastructure

Dennis Dvorak
FHWA Resource Center

AGENDA

Day 1

9:00 am	Introduction
9:45 am	Quality Assurance Concepts
10:30 am	BREAK
10:45 am	Quality Assurance Concepts
11:30 am	LUNCH
12:15 pm	Concrete Materials
1:45 pm	Break
2:00 pm	QC and Agency Acceptance
3:00 pm	Concrete Properties and Testing
3:45 pm	ADJOURN

Day 2

9:00 am	Concrete Properties and Testing
10:00 am	BREAK
10:15 am	Pre-Paving and Mixture Production
11:15 pm	Lunch
12:00 pm	Utilizing Quality Concepts
1:00 pm	Break
1:15 pm	Paving
2:45 pm	Break
3:00 pm	Quality in Field Practice
4:00 pm	ADJOURN