Field Quality Control Supervisor

Yesterday, Today, Tomorrow
Field Quality Control Supervisor Program (FQCS)
FQCS Program History

- Was “next step” in Contractor Quality Control responsibilities
- Part of ODOT’s move to continual quality improvement
- Implemented in 2005/Training in 2006
- ~ 500 FQCS trained
FQCS Program History

Old School

- ODOT: did all QC functions
- ODOT: expected to notify contractor of paving problem(s)
- Contractor: no comments, no problem
- Contractor: “good enough for ODOT, good enough for us”
FQCS Program History

New School

- Contractor: does all QC functions
- Contractor: sees and fixes problems
- ODOT: does not have to direct contractor
- ODOT: monitors and documents work for compliance with contract
- ODOT: expects culture of quality
FQCS Training

FQCS Training Included

- Overview of ODOT’s applicable specs related to the FQCS Program;
- Review of ODOT’s asphalt-related specifications
- ODOT’s program objectives; and
- Expectations and responsibilities of a Field Quality Control Supervisor.
FQCS Program Specifications

C&MS Item 403
- Provides the framework for Contractor’s QC
- Requires a FQCS (403.03 A.)
- Must be a company employee, and
- Has Supplement 1041 approval.

Supplement 1041 & FQCS
- Department approved course
- Minimum 2 years experience placing asphalt
- Can be removed by ODOT
FQCS & ODOT’s Asphalt Specs

C&MS includes specifications for:

- Base Pavements, 301 & 302
- “Master” Spec for Asphalt, 401
- Mix Types and Applications, 441 (448 and 446), 442, 443, 424
- QC/QA, 403
ODOT’s Objectives

- High quality asphalt paving
  - Uniformity
  - Eliminate segregation
  - Long lasting joints

- Empower contractor field personnel to make changes
  - Recognize the problem
  - Fix the problem
ODOT Program Objective
High Quality Asphalt Paving - Uniformity

This?
ODOT Program Objective
High Quality Asphalt Paving - Uniformity

Or This?
ODOT Program Objective
High Quality Asphalt Paving - Uniformity

This?
ODOT Program Objective
High Quality Asphalt Paving - Uniformity

Or This?
ODOT Program Objective
High Quality Asphalt Paving –
Eliminate Segregation

*This?*
ODOT Program Objective
High Quality Asphalt Paving – Eliminate Segregation

Or This?
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This?
ODOT Program Objective
High Quality Asphalt Paving - Eliminate Segregation

Or This?
ODOT Program Objective
High Quality Asphalt Paving - Long Lasting Joints
This?
ODOT Program Objective
High Quality Asphalt Paving - Long Lasting Joints
Or This?
ODOT’s Expectation of the FQCS?
Contractor sees problem and makes changes

Where’s the FQCS?
ODOT’s Expectation of the FQCS?
Contractor sees problem and makes changes

Where’s the FQCS?
ODOT’s Expectation of the FQCS?
Contractor sees problem and makes changes

*FQCS was here!*
ODOT’s Expectation of the FQCS?
Contractor sees problem and makes changes

FQCS was here!
ODOT’s Expectation of the FQCS?
Contractor sees problem and makes changes

FQCS was here!
FQCS Program Today
FQCS Program Today

❖ ODOT’s Perspective?
   – Valuable QC tool
   – Not always embraced by Contractor
   – ODOT personnel not always knowledgeable about program
Remember this slide?
Remember this slide?
FQCS Program Today

Contractor’s Perspective?

- Contractor must desire to provide “quality”
- Agency must desire to ensure “quality”
- Expectations of the agency must be communicated
- FQCS must be experienced at identifying quality craftsmanship
- FQCS has AUTHORITY to adjust operations to ensure quality craftsmanship
FQCS Program Tomorrow?

ODOT - Continue with FQCS Program
- Recognizes there is value in program
- Will work with ODOT personnel to provide better understanding of program
- Will expect better participation from contractor field personnel and complete support from management
Thank - You