

Concrete Paving Field Inspection Inspector's Workshop

National Concrete Pavement
Technology Center



IOWA STATE UNIVERSITY

Institute for Transportation

www.cptechcenter.org



PCC Paving Field Inspection

- Why are we here?
- **How do we achieve quality for PCC paving?**
- Got a project....Now what?
- What is concrete?
- What kinds of equipment are used?
- What happens before you start paving?
- What happens when you're finally paving?
- What is the inspector's role?
- What about all of the other road building stuff?
- What do you look for in urban paving?
- What paperwork?

Instructor



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Q: HOW DO WE ACHIEVE QUALITY FOR PCC PAVING?

A: “Making sure the quality of a product (concrete paving) is what it should be...”
- Philip Crosby

How do we achieve quality for PCC paving?

- What is quality?
- Who cares?
- How do we get it?



What is quality?

- How do you define quality?
 - “Conformance to requirements”
 - ***“The customer deserves to receive exactly what we have promised to produce.” -- Crosby***
- What is the result of quality for a pavement?
 - Long-lasting pavement
 - A good riding surface

Standard Specifications for Highway Construction

NEBRASKA
Good Life. Great Journey.
DEPARTMENT OF TRANSPORTATION

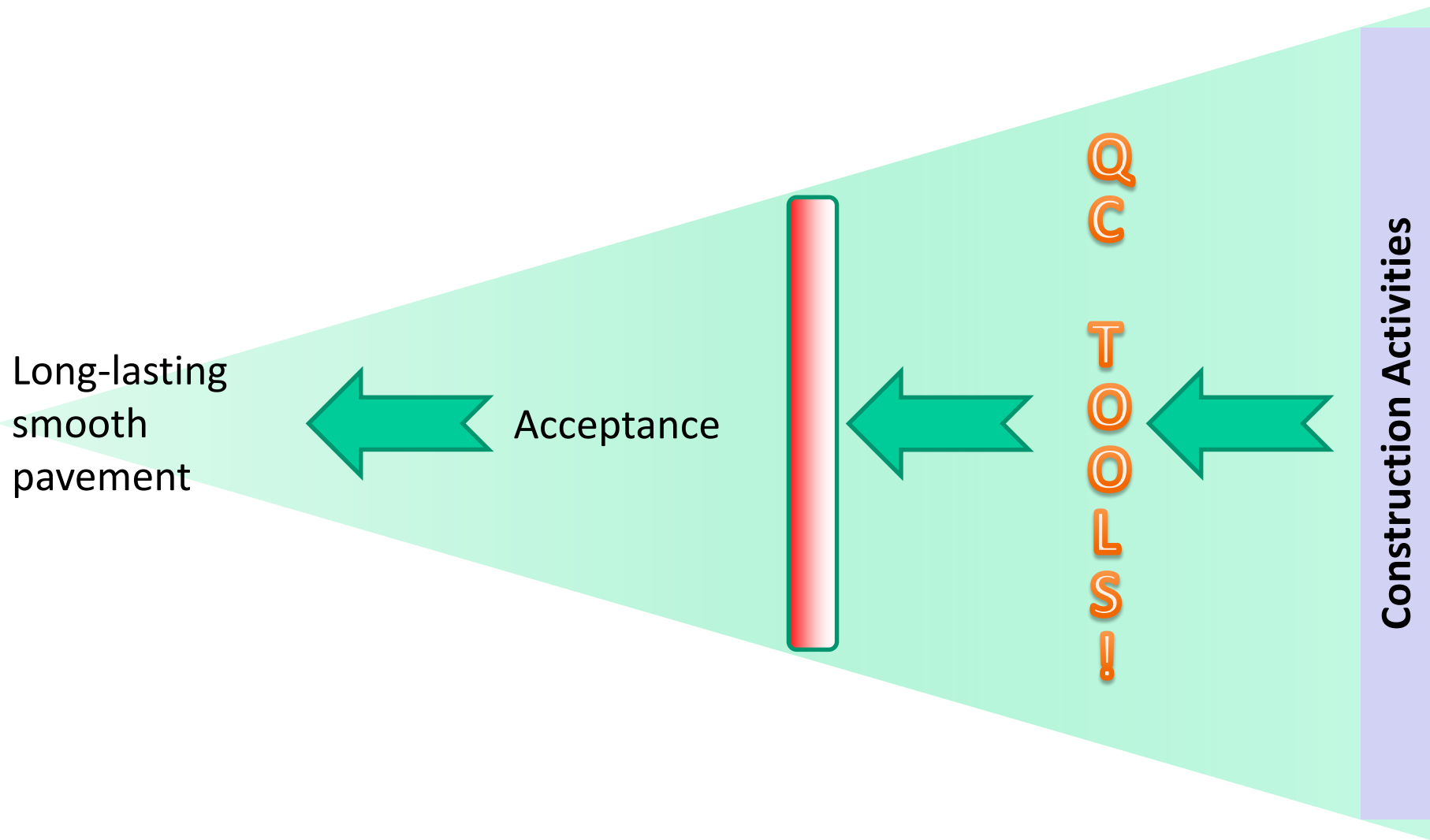
2017 Edition

Construction Manual

NEBRASKA
Good Life. Great Journey.
DEPARTMENT OF TRANSPORTATION

2019 Edition

What is quality?



Who cares?

The Contractor

- Reputation
- Incentives vs. Disincentives
- Rework = Lost \$\$



Who cares?

The Owner

- Better working environment
 - Project partners are qualified
 - Contractor knows how the Agency will accept/pay for the product
 - QC Plans remove some of the daily stress
- Get the product you are paying for
 - Cost effective
 - Low maintenance
 - Smooth
 - Durable

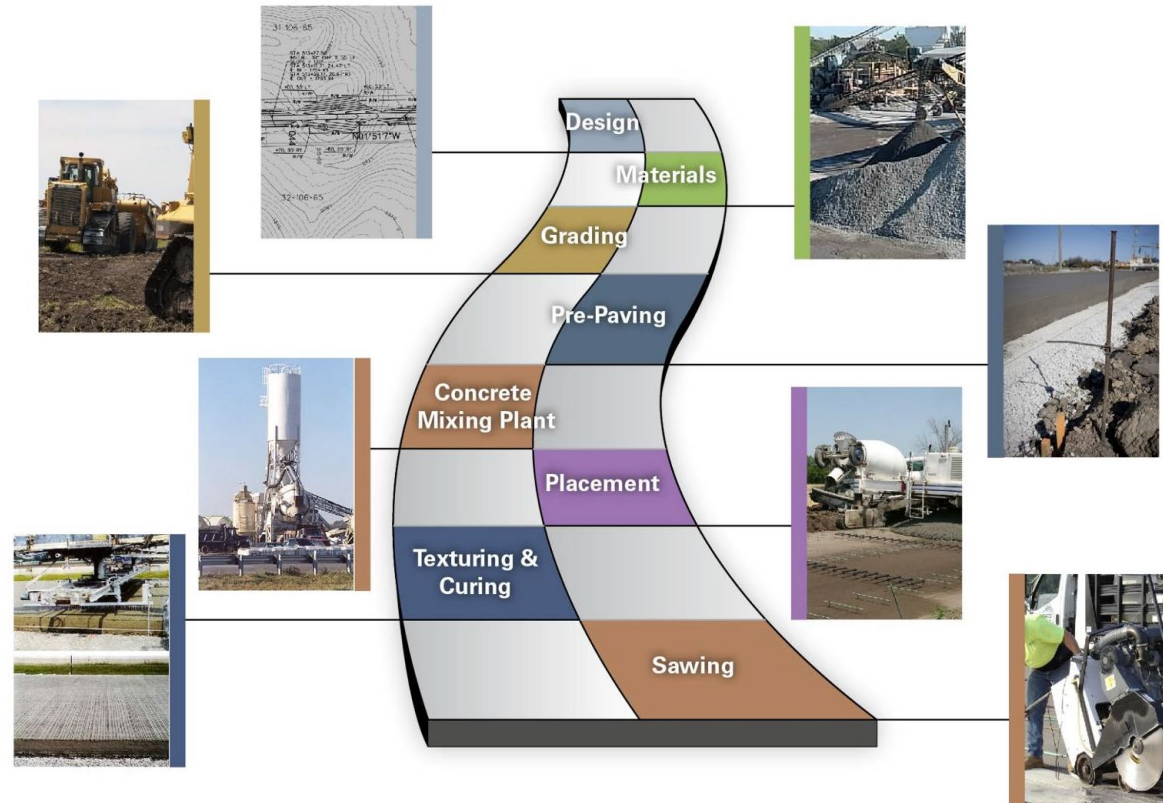
How do we get it?

How do the following people affect quality?

- Designer/Specifier
- Agency Inspector
- QC Technician
- Loader Operator at the concrete plant
- Truck Driver
- Paver Operator
- Concrete Finisher
- Texture/Cure Machine Operator
- Sawing Crew
- Sealing Crew

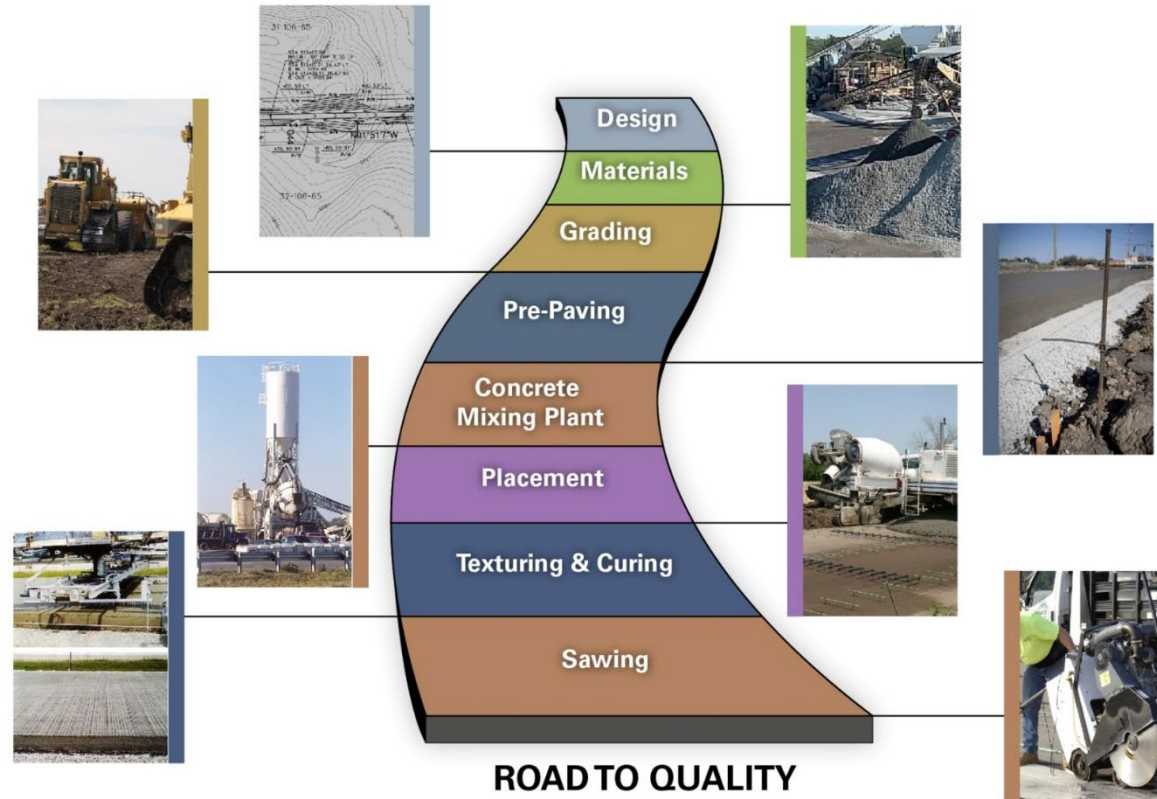


How do we get it?



QUALITY CHALLENGE
FOR LONG LIFE CONCRETE PAVEMENT

How do we get it?



QUALITY CHALLENGE
FOR LONG LIFE CONCRETE PAVEMENT

How do we achieve quality for PCC paving?

- Understand what quality is.
- Recognize who cares?
- Know how we get it.

