

Concrete Paving Field Inspection Inspector's Workshop

National Concrete Pavement
Technology Center



IOWA STATE UNIVERSITY

Institute for Transportation

www.cptechcenter.org



Instructor



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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 paperwork?

WHAT KIND OF EQUIPMENT WILL BE USED?

Equipment

- Subgrade/Base Prep
- Transport Vehicles
- Placement and Consolidation
- Finishing
- Texturing
- Microtexture
- Macrotexture
- Curing
- Sawing
- Sealing



Equipment

Motor Patrol



Equipment

Subgrade Trimmer



Equipment

Roller

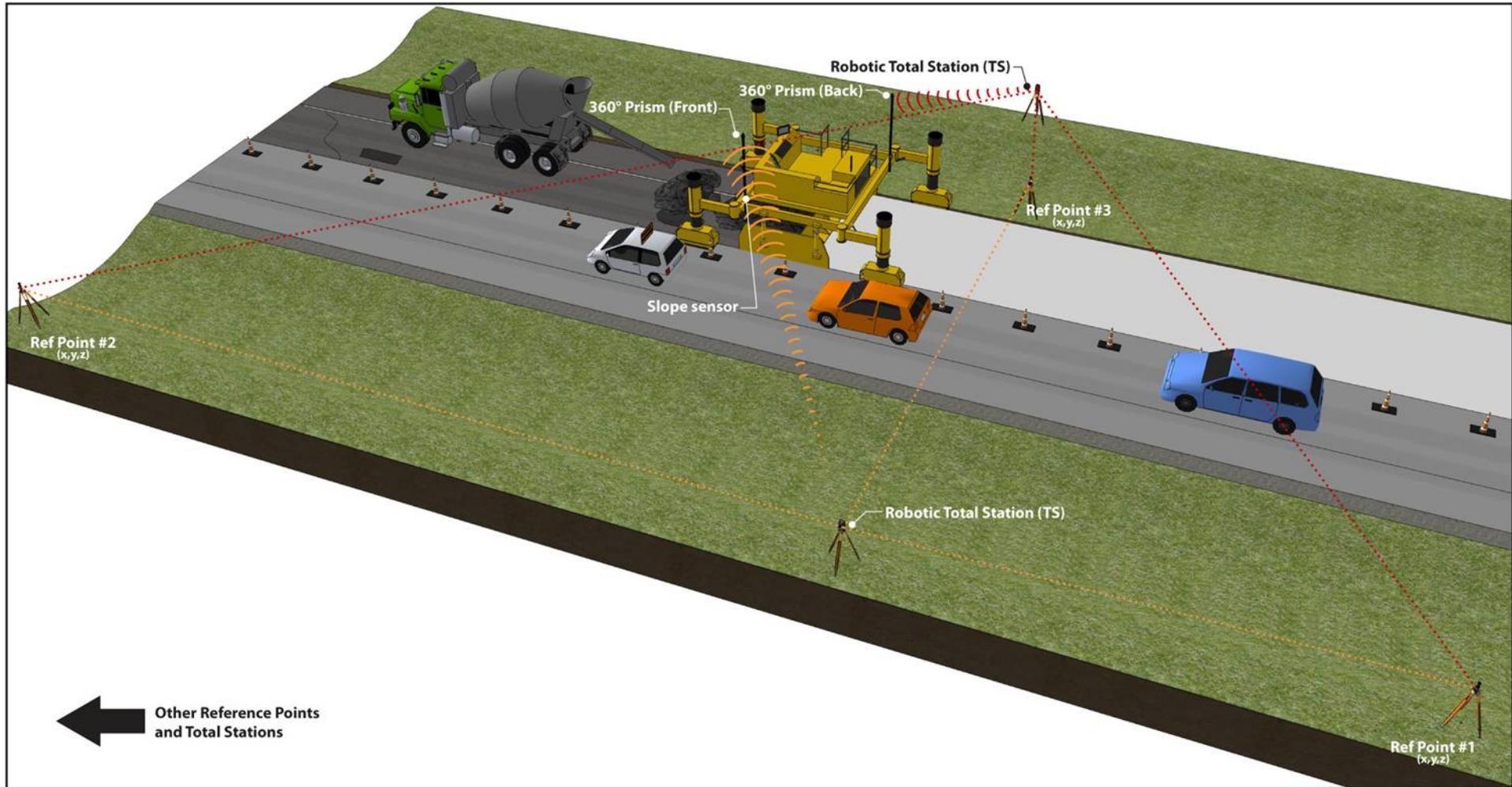


Equipment

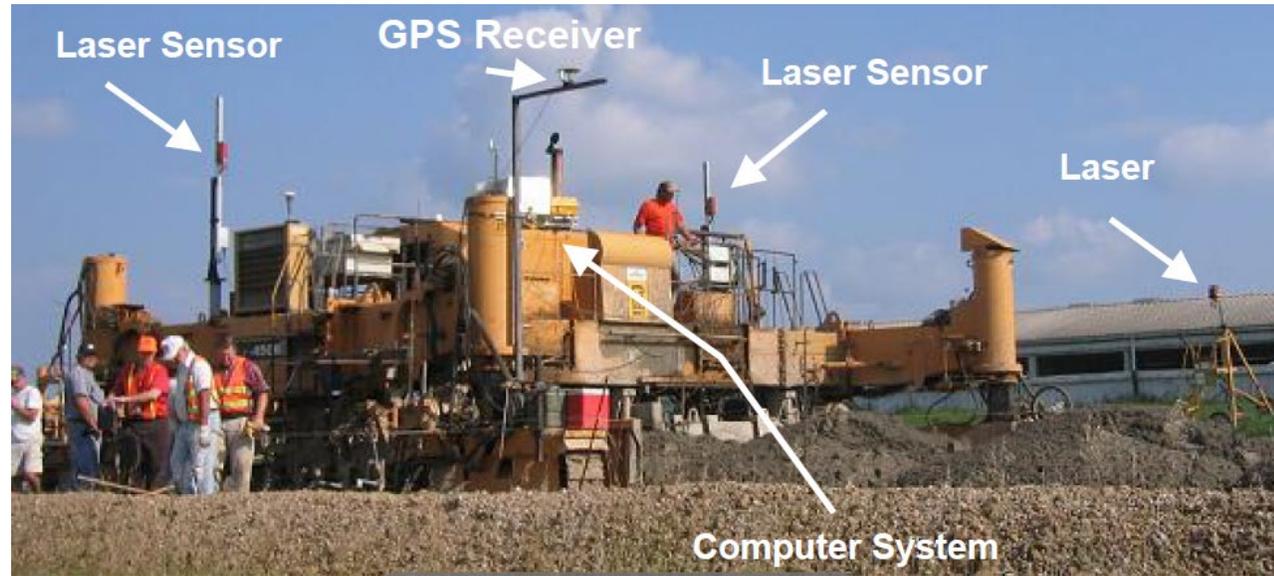
Stringline



Stringless Paving



Stringless Paving



Stringless Paver



Equipment

Transport



Equipment

Transport



Equipment

Transport



Equipment

Transport



Equipment

Placing & Consolidating

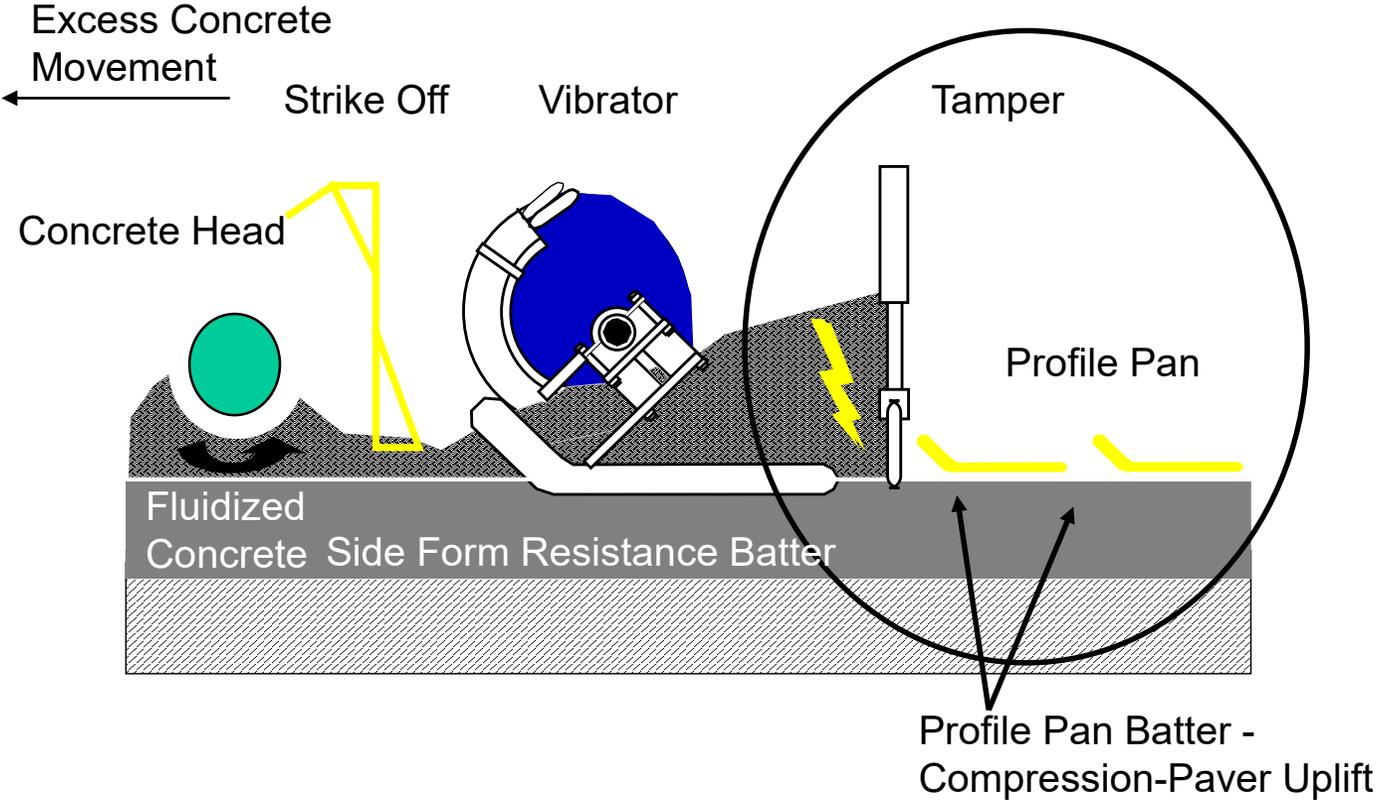


Equipment

Placing & Consolidating



Extrusion Envelope



Equipment

Placing & Consolidating



Real Time smoothness device (GSI)



Equipment

Finishing



Equipment

Texture



Equipment

Texture



Equipment

Curing



Equipment

Curing

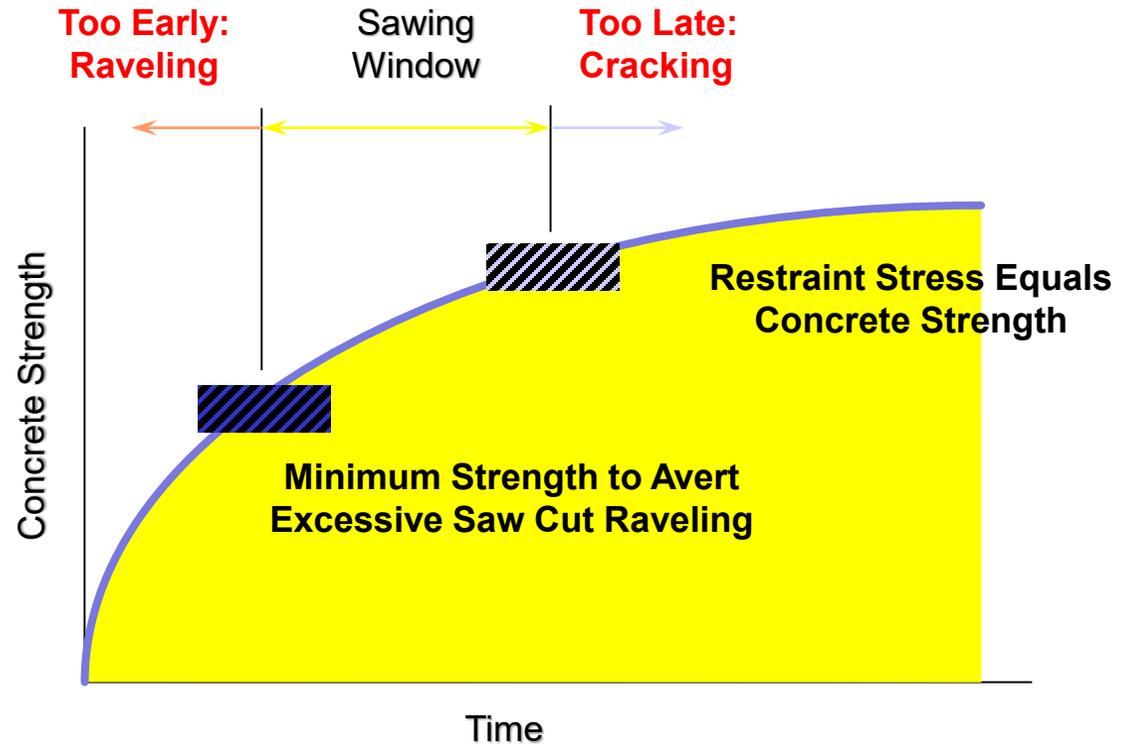


Equipment

Sawing



Sawing Window



Equipment

Sawing



Equipment

Sawing



Equipment

Sealing



Equipment

Sealing



Equipment

Sealing



And finally, the backfill

- Hauling equipment allowed on the pavement after opening strength has been met
- Protect pavement edges from damage (stay away):
 - loaded trucks
 - motor graders
 - rollers



All Kinds of Equipment

