

Concrete Paving Field Inspection Inspector's Workshop

What about all of the other road building stuff?

National Concrete Pavement
Technology Center



IOWA STATE UNIVERSITY

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Concrete Paving Field Inspection Inspector's Workshop

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

Instructor



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WHAT ABOUT ALL OF THE OTHER ROAD BUILDING STUFF?

Earth Shoulder Construction

- Constructed after mainline has reached opening strength
- Complete prior to subdrain work
 - Provides better drainage
- Materials hauled in dump trucks
- Spread with dozer



Protect the Edge

- Run construction traffic in center of new paving
- Protect the edge



Longitudinal Subdrains

- Trench construction
- Placement of subdrain and backfill
- Porous backfill placed from trucks to conveyor
- Compaction with vibratory compactor or trench rollers
 - Number of lifts & compaction vary with depth



Subdrain Outlets

- Locations per drawings and low points
- Outlets may be covered with crushed stone / porous rock
- Final location should be marked



Shoulder Restoration - Granular

- Granular material
- Subgrade should be graded to correct elevation for specified granular thickness
- Granular material placed with shouldering machine
- Roller compacted
Do not run roller on edge!



Shoulder Restoration - Paved

- Check subgrade for grade and compaction
- Thickness per drawings (typ. 6"-8" for PCC)
- Protect pavement edge



Summary – What about the other road building stuff?

- Earth shoulder
- Subdrain & drainage
- Shoulder restoration
 - granular & paved shoulders



THANK YOU !



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