Concrete Paving Field Inspection
Inspector’s Workshop
What about all of the other road building stuff?

National Concrete Pavement Technology Center

Iowa State University
Institute for Transportation
www.cptechcenter.org
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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Representing the National Concrete Pavement Technology Center

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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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