

PAVEMENT COSTS REPRESENTS BETWEEN 10% TO 50% OF INITIAL CONSTRUCTION COSTS IN NORTH CAROLINA

Types of Costs

Pavement costs

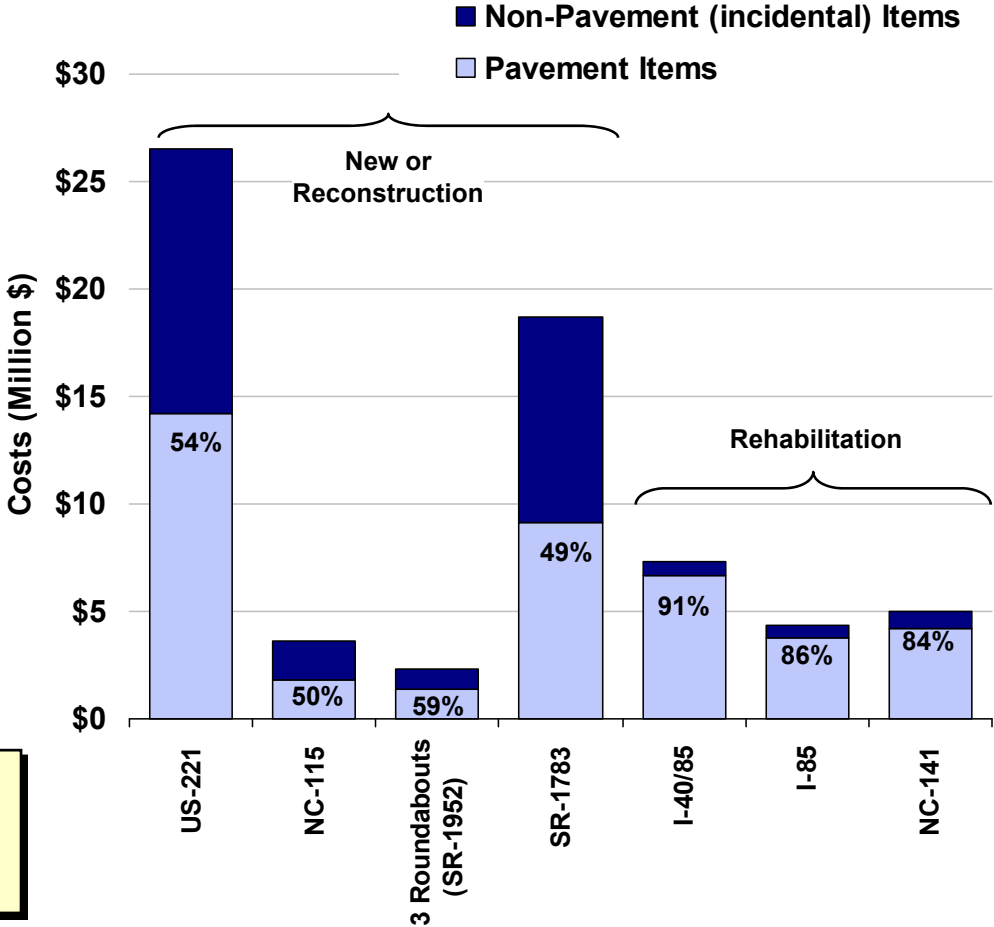
- Subgrade preparation, grading & compaction
- Base & subbase materials, grading & compaction
- Surface materials (asphalt or concrete)
- Drainage
- Labor, equipment, etc

Non pavement (Incidental) costs

- Other costs that affect the overall cost of the project, but are not part of the pavement costs
 - Construction Costs – Mobilization, striping, reflective markers, erosion control, vegetation, traffic control, etc
 - DOT Costs – Preliminary engineering, contract administration, construction supervision, QA/AC testing, etc.

Average New/Reconstruction Incidental costs are ≈ 47%
Average Rehabilitation Incidental costs are ≈ 13%
 (costs do not reflect DOT costs)

Pavement Costs as a Percentage of “Roadway Item Costs” for NCDOT Projects



PAVEMENT COSTS REPRESENTS BETWEEN 24% TO 65% OF INITIAL CONSTRUCTION COSTS

Pavement costs

- subgrade preparation; base, subbase, and surface materials; labor; equipment; drainage, etc.

Non-pavement costs

- Other costs (termed incidental costs) that affect the overall cost of the project, but are not part of the pavement costs
 - **DOT Costs** – Preliminary engineering, contract administration, construction supervision, QA/AC testing, etc.
 - **Construction Costs** – Mobilization, striping, reflective markers, erosion control, vegetation, Extra fill or cut, traffic control, median & fill slopes, utilities, guardrail and sign adjustments, lighting requirements, overhead structures and at-grade structures, culvert extensions etc

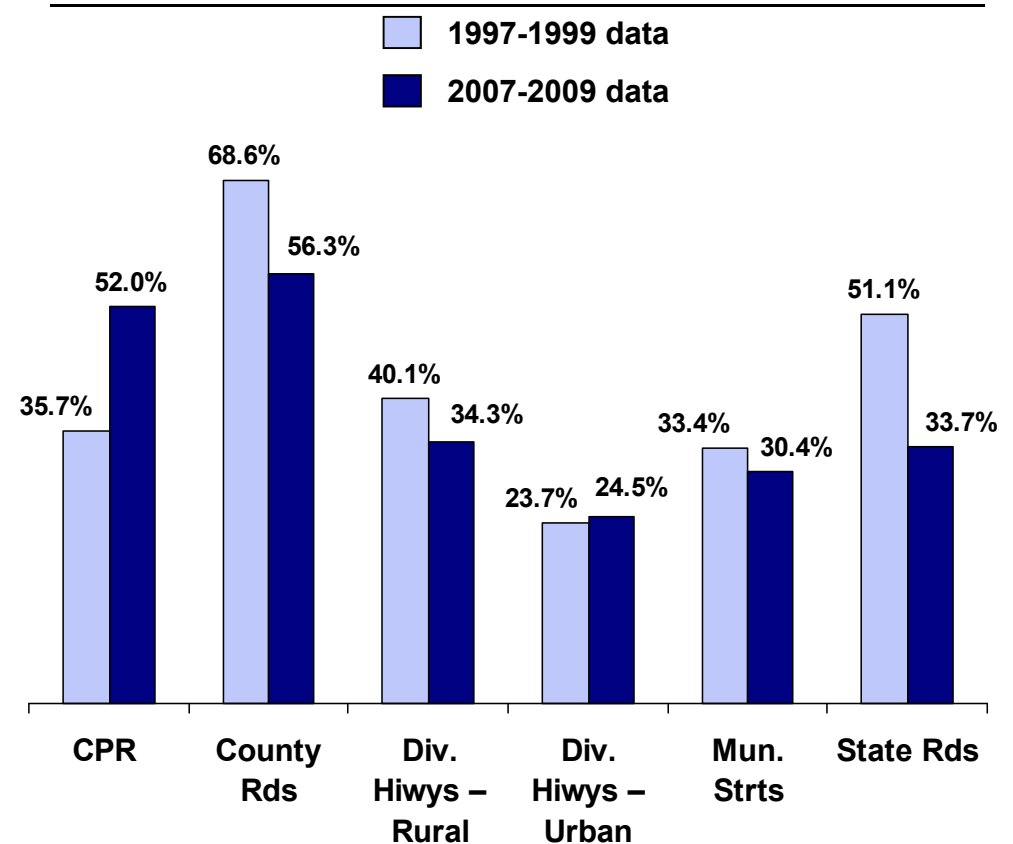
FHWA states that only need consider differential costs

- Common Costs cancel out in the LCCA calculations

We recommend including all costs

- If only pavement costs are included, contractors may shift costs into bid items not included in LCCA

Paving Cost as % of Construction Costs ¹



(1) Based on ACPA Awards database of 380 projects