



# Peace Street Bridge and Wade Avenue Bridge Replacement Projects

## Citizens' Informational Workshop Handout

Raleigh, Wake County, Project B-5121/B-5317

The N.C. Department of Transportation proposes to replace the bridge on Capital Blvd at Peace St, built in 1948, and the bridge on Capital Blvd at Wade Ave, built in 1954. The purpose of replacing the bridges is to maintain safe, reliable structures for long term use. While the existing bridges are still adequate and safe for traffic, they are nearing the end of their design lives and need to be replaced in a timely manner.

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**Project website:**  
[www.ncdot.gov/projects/CapitalBlvdBridges](http://www.ncdot.gov/projects/CapitalBlvdBridges)

## Bridge Replacement Project Designs to be Selected



Peace Street Bridge

### Project Status

At the first workshop in September 2011, seven conceptual designs were presented. Since that time, NCDOT has continued developing designs, including studying the impacts and costs of each alternative. On display tonight are two alternatives at Peace Street and four alternatives at Wade Avenue. Current designs are shown in the newsletter. Additional copies of the newsletter are available at tonight's workshop.

After tonight's workshop, NCDOT and FHWA will select one preferred alternative at each interchange. These alternatives will be designed in more detail, and an environmental document will be

completed early next year. The preferred alternatives will be presented at a public hearing next summer.

### Other Nearby Projects

Raleigh's *Capital Boulevard Corridor Study* and NCDOT's *Southeast High Speed Rail Project* are likely to affect the same section of Capital Boulevard as the bridge replacements. NCDOT and the City of Raleigh are coordinating closely to ensure that the projects are consistent with each other, and to reduce the length and number of times the roadways need to be under construction. Contact information for these two projects is on the back of this handout.



Wade Avenue Bridge

## Preliminary Impacts of Remaining Alternatives

### Peace Street Interchange

Alt.	Description	Preliminary Cost Estimate (millions)				Number of Relocations
		Construction	Right-of-Way	Utilities	Total	
P-Base	Replace in-kind (half cloverleaf)	\$11.9	\$9.9	\$4.6	\$26.4	5
P2d	Square loops	\$14.8	\$17.7	\$3.9	\$36.4	11

### Wade Avenue Interchange

Alt.	Description	Preliminary Cost Estimate (millions)				Number of Relocations
		Construction	Right-of-Way	Utilities	Total	
W-Base	Replace in-kind (trumpet)	\$11.9	\$0.3	\$1.8	\$14.0	2
W1a	Trumpet with West St. bridge	\$13.2	\$12.1	\$5.3	\$30.6	15
W2	Diamond with West St. bridge	\$18.1	\$13.7	\$6.4	\$38.2	18
W2b	Diamond	\$11.6	\$10.5	\$2.5	\$24.6	8

## Concepts Shown at the September 2011 Citizens' Workshop

The current status of the concepts shown at the 2011 Citizens' Workshop is summarized below. Maps of each of the previous designs are on display at tonight's workshop.

### Peace Street Concepts

- **Alternative P1** (diamond) - Eliminated; More impacts than Alternative P-Base, and not consistent with City plans
- **Alternative P2** (square loops) - Modified to become Alternative P2d
- **Alternative P3** (bowtie) - Eliminated; More impacts than Alternative P-Base, and not consistent with City plans

### Wade Avenue Concepts

- **Alternative W1** (trumpet with West St bridge) - Modified to become Alternative W1a
- **Alternative W2** (diamond with West St bridge) - Retained
- **Alternative W3** (compressed diamond with West St bridge) - Eliminated; Impacted Pigeon House Branch
- **Alternative W4** (compressed diamond with West St intersection) - Eliminated; Impacted Pigeon House Branch

## Other Nearby Projects—Contact Information

### Capital Boulevard Corridor Study

The Capital Boulevard Corridor Study recommends improvements on Capital Boulevard, including between Wade Avenue and Peace Street. For more information:

<http://www.raleighnc.gov/search/content/PlanUrbanDesign/Articles/CapitalBlvdCorridorStudy.html>

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### Southeast High Speed Rail

The Southeast High Speed Rail (SEHSR) preferred corridor (NC 5) crosses Capital Boulevard between Wade Avenue and Peace Street. For more information:

<http://www.sehsr.org/>

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