



Peace Street and Wade Avenue Bridge Replacements

North Carolina Department of Transportation
Project Development and Environmental Analysis Branch
Attn: Vince Rhea
1548 Mail Service Center
Raleigh, North Carolina 27699-1548



Peace Street Bridge and Wade Avenue Bridge Replacement Projects

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

THIS ISSUE

- Project Description p. 1
- Project Area Map p. 2
- Peace St Alternatives p. 3
- Wade Ave Alternatives p. 4 & 5
- Contacts p. 6
- Schedule p. 6



Upcoming Workshop

October 22nd
5 - 7 PM
(drop in anytime)

Progress Energy
Center for the Per-
forming Arts Lobby
2 East South Street
Raleigh, N.C.

Citizens' Informational Workshop To Be Held October 22nd for Peace Street and Wade Avenue Bridge Replacement Projects

Project Description

NCDOT proposes to replace two bridges along Capital Boulevard, at Peace Street and at Wade Avenue. 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.



Peace Street Under Capital Blvd



Wade Avenue Over Capital Blvd

Coordination with Other 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.

Purpose of the Workshop

NCDOT and the City of Raleigh will hold a joint open house on Oct. 22, 2012. Since the last open house in Sept. 2011, NCDOT has eliminated some bridge options and developed several new designs, and the City has adopted the *Capital Boulevard Corridor Study*. NCDOT will display the current Peace Street and Wade Avenue bridge replacement alternatives (shown on pages 3 through 5 of this newsletter), and the City will show exhibits of the approved *Capital Boulevard Corridor Study*. Information on the City's *Peace Street East Plan* will also be available at the workshop. There will not be a formal presentation, but NCDOT and City staff will be on hand to answer questions.

Citizens are encouraged to provide written comments.

Contact Us

Vince Rhea, P.E.
Consultant Unit Planning Engineer
vrhea@ncdot.gov
(919) 707-6039
1548 Mail Service Center
Raleigh, NC 27699-1548

Ron Hairr
Project Manager
ron.hairr@kimley-horn.com
(919) 677-2000
P.O. Box 33068
Raleigh, NC 27636-3068

You can view the project website at: www.ncdot.gov/projects/CapitalBlvdBridges

If you have transportation questions about other projects, call the NCDOT Customer Service Office at 1-877-DOT-4YOU or visit the NCDOT website at www.ncdot.gov.

Information about the City's corridor study is at www.raleighnc.gov/planning, or contact Rotonda McKoy at Rotonda.McKoy@raleighnc.gov or (919) 807-8479.

Project Schedule

Spring 2013 - Initial environmental document

Summer 2013 - Public Hearing

Fall 2013 - Final environmental document

2015* - Right-of-way acquisition begins

2016* - Construction begins

*The schedule is tentative and subject to change.

Project Area Map



Wade Avenue Bridge Alternatives



Alternative W1a—Trumpet with West Street Bridge

This alternative retains a trumpet design. It realigns Fairview Road to connect with West Street, and extends West Street over Wade Avenue. It adds an 18 foot median on Capital Boulevard.

Cost: \$30.6 million (\$13.2 mil. construction + \$12.1 mil. right of way + \$5.3 mil. utilities relocation)

Relocations: Estimated 15 businesses



Alternative W2b—Diamond

This alternative replaces the trumpet interchange with a compact diamond, which adds access to properties on the east side of Capital Boulevard. It does not change the West Street alignment, the Fairview road flyover ramp, or add a median on Capital Boulevard.

Cost: \$24.6 million (\$11.6 mil. construction + \$10.5 mil. right of way + \$2.5 mil. utilities relocation)

Relocations: Estimated 8 businesses

Wade Avenue Bridge Alternatives



Alternative W-Base—Trumpet

This “base” alternative replaces the existing trumpet interchange with a similar design.

Cost: \$14.0 million (\$11.9 mil. construction + \$0.3 mil. right of way + \$1.8 mil. utilities relocation)

Relocations: Estimated 2 businesses

| | |
|--------------------|--|
| PROPOSED ROADWAY | EXISTING STREAMS |
| PROPOSED BRIDGE | 100 YEAR FLOOD PLAIN |
| HISTORIC RESOURCE | PROPERTY LINE |
| SEHSR NCS CORRIDOR | PROJECT CORRIDOR (PROJECT CORRIDOR IS SUBJECT TO CHANGE) |



Alternative W2—Diamond with West Street Bridge

This alternative replaces the trumpet interchange with a compact diamond design, which adds access to properties on the east side of Capital Boulevard. It realigns Fairview Road to connect with West Street, and extends West Street over Wade Avenue. It adds an 18 foot median on Capital Boulevard. This alternative is most consistent with the City’s vision for this location.

Cost: \$38.2 million (\$18.1 mil. construction + \$13.7 mil. right of way + \$6.4 mil. utilities relocation)

Relocations: Estimated 18 businesses

Peace Street Bridge Alternatives



Alternative P-Base—Half-Cloverleaf

This “base” alternative replaces the existing half-cloverleaf interchange with a similar design.

Cost: \$26.4 million (\$11.9 mil. construction + \$9.9 mil. right of way + \$4.6 mil. utilities relocation)

Relocations: Estimated 5 businesses

| | |
|--------------------|--|
| PROPOSED ROADWAY | EXISTING STREAMS |
| PROPOSED BRIDGE | 100 YEAR FLOOD PLAIN |
| HISTORIC RESOURCE | PROPERTY LINE |
| SEHSR NCS CORRIDOR | PROJECT CORRIDOR (PROJECT CORRIDOR IS SUBJECT TO CHANGE) |



Alternative P2d—Square Loops

This alternative replaces the half-cloverleaf interchange with square loops in the southeast and southwest quadrants. These “loops” would use existing Harrington and Johnson streets, and would also build streets on new location to complete the loops. Driveways would likely be permitted on the new loops. It adds an 18 foot median on Capital Boulevard. This alternative is most consistent with the City’s vision for this location.

Cost: \$36.4 million (\$14.8 mil. construction + \$17.7 mil. right of way + \$3.9 mil. utilities relocation)

Relocations: Estimated 11 businesses