



U.S. Department  
of Transportation  
Federal Highway  
Administration

**Received**

JAN 09 2009

**State Highway  
Administrator's Office**

Office of the Administrator

1200 New Jersey Avenue, SE.  
Washington, DC 20590

December 22, 2008

W. F. Rosser, P.E.  
State Highway Administrator  
North Carolina Department  
of Transportation  
Raleigh, NC 27699-1536

In Reply Refer To: HEPI-20

*John F. Sullivan III*  
Through: Mr. John F. Sullivan III  
Division Administrator  
Raleigh, NC

Dear Mr. Rosser:

We have completed review of your request submitted through Division Administrator John F. Sullivan III to add the portion of the Northern Wake Expressway in the Raleigh area from U.S. 1 to U.S. 64 to the Interstate System. This segment was designated a future part of the Interstate System under former Section 139(b) of Title 23 U.S.C. on June 6, 1996.

After careful consideration of the request, I find the requirements of 23 U.S.C. 103(c)(4)(A) and the Section 139(b) agreement for construction to Interstate standards have been satisfied and hereby approve designation of the requested segment as part of the Interstate System.

The route numbering of the Interstate corridor as I-540 was conditionally approved by the American Association of State Highway and Transportation Officials on April 21, 1996, and is hereby given final approval for this segment. The description for this 9.5-mile extension will read as follows:

I-540 from U.S. 1 northeast of Raleigh southeasterly to U.S. 64/U.S. 264 southwest of Knightdale.

Under 23 U.S.C. 119(a)(1)(B), this segment becomes eligible for Interstate Maintenance (IM) funds. Also, under 23 U.S.C. 104(b)(4) its lane miles and vehicle miles traveled will become eligible for inclusion in the IM funds apportionment formula.

Sincerely,

Thomas V. Madison, Jr.  
Administrator

cc: Ms. Marty Vitale-AASHTO

*PROVINCE*  
**AMERICAN  
ECONOMY**



**American Association of State Highway and Transportation Officials**

**Seven (7) Page Form**

An Application from the State Highway or Transportation Department of  
**North Carolina**

for (select one of the following):

- Elimination of a U.S. (Interstate) Route
- Establishment of a U.S. (Interstate) Route
- Extension of a U.S. (Interstate) Route I-540
- Relocation of a U.S. (Interstate) Route
- Establishment of a U.S. Alternate Route
- Establishment of a Temporary U.S. Route
- \*\*Recognition of a Business Route on U.S. (Interstate) Route
- \*\*Recognition of a By-Pass Route on U.S. Route
- \*Establishment of a U.S. Bicycle Route (A NEW FORM IS BEING DEVELOPED FOR US BIKE ROUTES – continue to use this until the new form is finalized)
- \*Relocation of a U.S. Bicycle Route (SAA)

Between **US 1** and **US 64**

The following states or states are involved:  
**North Carolina**

<b>For AASHTO Use Only</b>
Date received _____
Date application acknowledged _____
Date to Special Committee on U.S. Route Numbering _____
Date considered by the Standing Committee on Highways _____
Action of Standing Committee on Highways _____
Member Department Notified _____

- **\* Bicycle Routes:** Attach map on page 3. Obtain Signatures, page 4. Type a statement indicating that there are no deficiencies on the proposed US Bike Route. **Other sections not applicable.**
- **\*\*\*"Recognition of..."** A local vicinity map needed on page 3. On page 6 a short statement to the effect that there are no deficiencies on proposed routing, if true, will suffice.
- If there are deficiencies, they should be indicated in accordance with page 5 instructions.
- **All applications requesting Interstate establishment or changes are subject to concurrence and approval by the FHWA**

**DATE SUBMITTED** Select from Calendar: 8/29/2008

**SUBMIT APPLICATION ELECTRONICALLY TO** [usroutes@ashto.org](mailto:usroutes@ashto.org)

You may convert your form as a PDF file, print then scan or submit as a saved word file. Send only one copy, please.

The purpose of the **United States (U.S.) Numbered Highway System** is to facilitate travel on the main interstate highways, over the shortest routes and the best available roads. A route should form continuity of available facilities through two or more states that accommodate the most important and heaviest motor traffic flow in the area.

The routes comprising the **National System of Interstate and Defense Highways** will be marked with its own distinctive route marker shield and will have a numbering system that is separate and apart from the U.S. Numbered Highway System. For the convenience of the motorist, there must be continuity and a uniform pattern of marking and numbering these Interstate routes without regard to state lines.

The U.S. Numbered System was established in 1926 and the Interstate Numbered System was established in 1956. Both have reached the period of review, revision, and consolidation. They now need perfecting rather than expansion. Therefore, any proposed alteration in the established systems should be extremely meritorious and thoroughly, though concisely, explained in order that the Special Committee on U.S. Route Numbering and the Standing Committee on Highways of the Association may give prompt and proper consideration to each and every request made by a member department.

**Explanation and Reasons for the Request (US and Interstates Only):** (Keep concise and pertinent.)

Date facility available to traffic **Immediately**

Does the petition propose a new routing over a portion of an existing U.S. Route? **No**

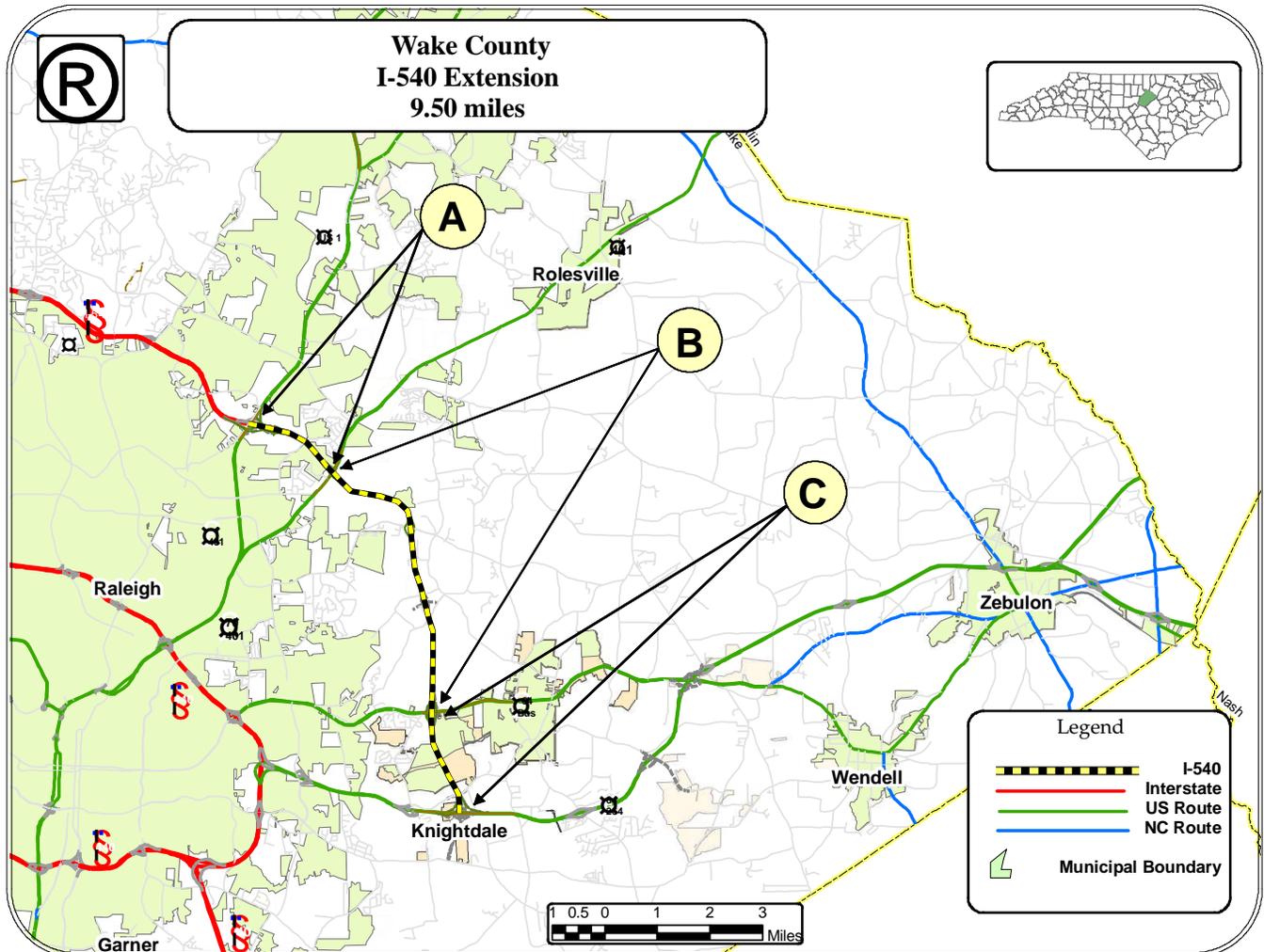
If so, where?

Does the petition propose a new routing over a portion of an existing Interstate Route? **No**

If so, where?

Map of state, or portion thereof, indicating proposed addition or change in the (This includes US, Interstates and **Bicycle Routes**)

U.S. Numbered or Interstate Numbered System:



(Indicate termini and control points on the map for the route, and number them in sequence. Use the same numbers in column 1 tabulation, page 6, when listing mileage. **Towns, cities, major highway intersections and state lines to be used as control points.** The top of column 1, page 6, will be one terminus, and column 1 will give the log of the route as needed to describe the route in the Association publication *U.S. Numbered Highways* if the application is approved by the Standing Committee on Highways.)

The State agrees and pledges its good faith that it will not erect, remove, or change any U.S. or Interstate Route Markers on any road without the authorization, consent, or approval of the Standing Committee on Highways of the American Association of State Highway and Transportation Officials, notwithstanding the fact that the changes proposed are entirely within this State.

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The weighted average daily traffic volume along the proposed route, as shown on the map on page 3, is **45500** as compared to **75000** for the year **2007** for all other U.S. Numbered Routes in the State.

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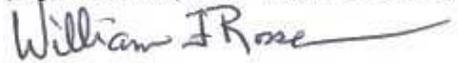
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*The Purpose and Policy in the Establishment and Development of the United States Numbered Highways, as Retained from October 3, 1991 or the Purpose and Policy in the Establishment of a Marking System of the Routes Comprising the National System of Interstate and Defense Highways as Retained from August 10, 1973* has been read and is accepted.

In our opinion, this petition complies with the above applicable policy.

Chief Executive Officer

(Signature Required – see note below)



North Carolina Department of Transportation  
(Member Department)

This petition is authorized by official action of

under date of \_\_\_\_\_ as follows: (Copy excerpt from minutes.)

**(This includes US, Interstates and Bicycle Routes)**

A **letter** from your Chief Executive Officer with the **CEO's signature** is sufficient when submitting your application, if you choose not to include the signature on this form.

**(US and Interstates Only)**

**Instructions for Preparation of Page 6**

**Column 1: Control Points and Mileage.** Top of column is one terminus of road. Indicate control points by identical number as shown on map on page 3. Show mileage between control points in miles and tenths.

<b>Column 2: Pavement Type.</b>	<b>Code</b>
High type, heavy duty	H
Intermediate type	I
Low type, dustless	L (show in red)
Not paved	N (show in red)

<b>Column 3: Pavement Condition</b>	<b>Code</b>
Excellent	E
Good	G
Fair	F (show in red)
Poor	P (show in red)

NOTE: In columns 2 and 3, where pavements types and conditions change, the location of the change shall be indicated by a short horizontal line at the proper place opposite the mileage log and the proper code letter (shown above) shall be entered in the respective column between the locations so indicated.

**Column 4: Traffic.** Indicate average daily traffic volumes in this column. Points of changes in these data to be indicated by short horizontal lines opposite the appropriate mileage point on the mileage log. Any existing main line rail crossing that is not separated shall be indicated at the appropriate mileage point by RXR - black if signalized - red if not protected by signals.

**Columns 5 & 6 Pavement Width and Shoulder Width.** These columns to be completed by comparing standards of highway involved with applicable AASHTO standards. Entries that fall to the right of the tolerance lines (dashed) should be shaded in red. If there are no deficiencies indicate by use of the word NONE.

**Columns 7 & 8 Major Structures.** Show in these columns those structures that do not meet AASHTO standards. Show by horizontal line sufficiently long to indicate percentage of deficiency. Portion on right of tolerance line shall be shown in red. Indicate length of structure in feet immediately under the line. Any sub-standard highway underpass structure shall be shown opposite the appropriate mileage point by the designation LP with the vertical clearance in feet following and shown in red. If there are no deficiencies indicate by the use of the word NONE.

**Column 9: Vertical Sight Distance.** Items to be shown in this column as a horizontal line, the length of which will indicate the deficiency as determined in accordance with comparisons with comparable AASHTO standards. Portions of the line past the tolerance line shall be shown in red.

**Column 10: Horizontal Curvature.** Curves in excess of AASHTO applicable standards to be shown in this column by a short horizontal line with degree of curve shown immediately above the line. To be shown in red.

**Column 11 Percent Grades.** Show by horizontal lines opposite proper mileage point on mileage log. Show percent of grade above the line and length of grade in feet immediately below. To be shown in red.

*What follows is an Excel worksheet that you can open by right clicking your mouse and select "Worksheet Object" – you can then Edit, Open or Convert but you must first unlock the form as show when inserting maps.*

Double click inside frame to release excel worksheet. Click outside frame to re-lock. (US and Interstates Only)

	1	2	3	4	5	6	7	8	9	10	11				
Mileage	Control Points and Mileage	Pavement Type	Pavement Condition	Traffic ADT	Comparison to Applicable AASHTO Design Standards										
					Pavement Width Deficiency	Shoulder Width Deficiency	Major Structures		Vertical Sight Distance Deficiency	Show When In Excess of Standard					
							Roadway Width Deficiency	H - Loading Deficiency		Horizontal Curvature	Percent Grade				
					Percent		Percent		Percent		Percent		Degree	Length	
10	20	30	40	20	40	60	80	10	20	30	40	20			40
0	<b>A</b>			53000	<b>Built to AASHTO Standards, No Deficiencies</b>										
1.75				48000											
2.00				45000											
4.00	38000														
6.00	<b>B</b>	<b>H</b>	<b>E</b>												
7.35															
8.00	<b>C</b>														
9.50															
10															
12															
14															
16															

(This includes US, Interstates and **Bicycle Routes**)

Contact regarding this application:

Name: **Hardee Cox**

Address: **3401 Carl Sandburg Ct. Raleigh, NC 27612**

Telephone Number: **919-212-6060**

Fax Number: **919-212-5999**

Email Address: **hcox@ncdot.gov**

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**Description** to be provided to the AASHTO Highways Special Committee on US Route Number (USRN) when they review this application:

- Where does the route begin? (Intersection or Mile Marker)  
- **US 1**
- Describe where it is going?  
- **Toward Knightdale**
- What type of facility is it traveling over? (New alignment or over an existing pathway)  
- **New alignment**
- Give the direction of travel(north, east, south, and west)  
- **South**
- Name the focal point city or cities  
- **Raleigh**
- Length of route in miles.  
- **9.5**
- Where does it end? (Terminal intersection or mile marker)  
- **US 64**

**Division 5**

**Wake County**

Add the following routing of I-540:

I-540 from US 1 eastward, 9.5 miles to US 64

**Attachment B**

**US 64 Table**

<b><u>Type</u></b>	<b><u>Intersection</u></b>	<b><u>Point to Point Mileage</u></b>	<b><u>Accumulated Mileage In State</u></b>	<b><u>Remarks</u></b>
Business	Zebulon	0	0	Route begins, leaves U.S. 64
	W. Wendell	9	9	Crosses US 64
	W. Knightdale	5	14	Crosses I-540
	Raleigh	4	18	Joins I-440
	Raleigh	1	19	Route ends, Rejoins US 64
Regular	W. Wendell	6	185	Route begins; Crosses US 64 Business
	S. Knightdale	5	190	Crosses I-540
	Raleigh	4	194	Joins I-440
	Jct. S. Raleigh	3	197	Joins I-40, I-440 ends
	Raleigh	3	200	Crosses US 70-401
	Jct. W. Raleigh	5	205	Leaves I-40; Joins US 1

# Ballot Results

## & Analysis

for

### RN-08-03 -- Special Committee on US Route Numbering North Carolina Resubmission



Wednesday, April 15, 2009

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## Executive Summary

This report contains a detailed statistical analysis of the results to the Ballot titled *RN-08-03 -- Special Committee on US Route Numbering North Carolina Resubmission*. The results analysis includes answers from all respondents who took the Ballot in the 31 day period from Wednesday, November 12, 2008 to Friday, December 12, 2008. 4 completed responses were received to the Ballot during this time.

# Ballot Results & Analysis

**Ballot:** RN-08-03 -- Special Committee on US Route Numbering North Carolina Resubmission

**Author:** mvitale@ashto.org

**Filter:**

**Responses Received:** 4

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## 1) Please Select the Special Committee on US Route Numbering Regional Representative Completing this Ballot

Response	Count	Percent
Reg. 1 - K Sweeney, ME	1	25.0%
Reg. 2 - D Vaughn, AL	1	25.0%
Reg. 3 - K Keith, MO	1	25.0%
Reg. 4 - C. Nelson, OR	1	25.0%

### 2.1) I-73(North Carolina)

Response	Count	Percent
Approve	4	100.0%
Disapprove	0	0.0%
Conditional Approval	0	0.0%

### 2.2) I-140(North Carolina)

Response	Count	Percent
Approve	4	100.0%
Disapprove	0	0.0%
Conditional Approval	0	0.0%

### 2.3) I-540(North Carolina)

<b>Response</b>	<b>Count</b>	<b>Percent</b>
Approve	4	100.0%
Disapprove	0	0.0%
Conditional Approval	0	0.0%

### 2.4) US 117(North Carolina)

<b>Response</b>	<b>Count</b>	<b>Percent</b>
Approve	4	100.0%
Disapprove	0	0.0%
Conditional Approval	0	0.0%

### 2.5) US 117 Alternate(North Carolina)

<b>Response</b>	<b>Count</b>	<b>Percent</b>
Approve	4	100.0%
Disapprove	0	0.0%
Conditional Approval	0	0.0%

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