

GENERAL ASSEMBLY OF NORTH CAROLINA



Session 2009

Legislative Fiscal Note

BILL NUMBER: House Bill 1254 (First Edition)

SHORT TITLE: Mark Bridges with Route Names or Numbers.

SPONSOR(S): Representatives Cole, Martin, and Holloway

<b>FISCAL IMPACT</b>					
	<b>Yes (X)</b>	<b>No ( )</b>	<b>No Estimate Available ( )</b>		
	<b><u>FY 2009-10</u></b>	<b><u>FY 2010-11</u></b>	<b><u>FY 2011-12</u></b>	<b><u>FY 2012-13</u></b>	<b><u>FY 2013-14</u></b>
<b>REVENUES</b>					
<b>EXPENDITURES</b>	<b>\$17,000,000</b>	<b>\$17,000,000</b>	<b>\$17,000,000</b>		
<b>Highway Fund</b>					
<b>POSITIONS (cumulative):</b>					
<b>PRINCIPAL DEPARTMENT(S) &amp; PROGRAM(S) AFFECTED:</b> Department of Transportation					
<b>EFFECTIVE DATE:</b> October 1, 2009					

**BILL SUMMARY:**

April 8, 2009

H 1254. MARK BRIDGES WITH ROUTE NAMES OR NUMBERS. Filed 4/8/09. TO REQUIRE THE DEPARTMENT OF TRANSPORTATION TO PLACE SIGNS ON BRIDGES IN LOCATIONS THAT ARE EASILY VIEWABLE FROM THE WATERWAY OR HIGHWAY PASSING UNDER THE BRIDGES THAT PROVIDE THE NAME OR ROUTE NUMBER OF THE HIGHWAY CROSSING OVER THE BRIDGE. Adds new GS 136-32.4 as title indicates.

Effective October 1, 2009

Source: Bill Digest H.B. 1254 (04/08/2009).

**ASSUMPTIONS AND METHODOLOGY:** DOT maintains 12,640 bridges. The cost for the installation of the required signs depends on the number of bridges requiring signs, the average cost of the sign, and the cost of required lane closures at the time of installation, which depends on the type of road.

DOT makes the following assumptions in providing a cost estimate:

Average cost of sign (fabrication and installation)	\$850
Number of directions, (signs required per bridge, except for one lane roads)	2
Number of bridges (Total)	7,459
Over waterways (accessible to boats)	5,182
Over 2 lane roads	463
Over 1 lane roads	40
Over multi-lane facilities	
Divided	827
Undivided	827
Both waterway and roadway underneath	
Adjacent to 2 lane 2 way facility	60
Adjacent to multilane w/1 lane closure	60
Cost of Lane Closures (Traffic Control) during installation	
One lane closed (2 lane 2 way facility)	\$2,200
One lane closed (multilane facility)	\$10,000
Two lanes closed (multilane facility)	\$20,000
Road closure (1 lane facility)	\$2,200

Based on the assumptions above, the total cost of installation of the signs is shown in the table:

### Cost of Signage Required by HB 1254

<u>Bridge Type</u>	<u>Number of Directions</u>	<u>Average Sign Cost</u>	<u>Total Sign Cost per Bridge</u>	<u>Traffic Control Cost</u>	<u>Total Cost per Bridge</u>	<u>Number of Bridges</u>	<u>Total Cost</u>
Over Waterway	2	\$850	\$1,700	\$2,200	\$3,900	5,182	\$20,209,800
Over Two Lane Road	2	\$850	\$1,700	\$2,200	\$3,900	463	\$1,805,700
Over One Lane Road	1	\$850	\$850	\$2,200	\$3,050	40	\$122,000
Over Multi-Lane Roads							
Divided	2	\$850	\$1,700	\$10,000	\$11,700	827	\$9,675,900
Undivided	2	\$850	\$1,700	\$20,000	\$21,700	827	\$17,945,900
Over Waterway and Road							
Adjacent to 2L2W	2	\$850	\$1,700	\$2,200	\$3,900	60	\$234,000
Adjacent to Multilane	2	\$850	\$1,700	\$10,000	\$11,700	60	\$702,000
<b>Total</b>						<b>7,459</b>	<b>\$50,695,300</b>

As shown, the total cost for installation of the signage required by the bill would be approximately \$51,000,000. DOT indicates that it would take Field Operations three years to complete the installation, an expenditure of approximately \$17,000,000 per year.

**SOURCES OF DATA:** DOT Transportation Mobility and Safety Division

**TECHNICAL CONSIDERATIONS:** None

**FISCAL RESEARCH DIVISION:** (919) 733-4910

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**APPROVED BY:** Marilyn Chism, Director  
Fiscal Research Division

**DATE:** May 4, 2009



**Signed Copy Located in the NCGA Principal Clerk's Offices**