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SENATE BILL NO. 1159

Offered January 14, 2015

Prefiled January 13, 2015

A *BILL to amend the Code of Virginia by adding a section numbered 33.2-214.2, relating to life-cycle cost analysis of highway projects.*

Patron—Edwards

Referred to Committee on Finance

Be it enacted by the General Assembly of Virginia:

1. That the Code of Virginia is amended by adding a section numbered 33.2-214.2 as follows:

§ 33.2-214.2. Life-cycle cost analysis of highway projects.

A. *As used in this section:*

"Life-cycle cost analysis" means the total cost of initial construction plus all anticipated future maintenance, repair, and resurfacing costs over the life of the project. Actual relevant data shall be used in making the calculation and made available to the public.

"Substantially equivalent" means the life-cycle cost analysis results differ less than 10 percent.

B. *The Board shall develop and implement a life-cycle cost analysis for each primary highway project within its jurisdiction for which the total cost of initial construction exceeds \$500,000, funded in whole or in part with state or state-appropriated funds. The total cost of initial construction shall include such factors as the pavement material type, base, subbase, subgrade modifications, underdrainage, milling of pavement surface, patching, and diamond grinding. The Board shall compare highway projects and thereby design and award such projects utilizing the material having the lowest life-cycle cost. All pavement designs shall ensure that state and state-appropriated funds are utilized as efficiently as possible.*

C. *The life-cycle cost analysis shall consider, when possible, the Commonwealth's past pavement maintenance schedules and costs for pavement of similar design and use. When such records are not available, the Board may use comparable data for substantially equivalent designs from states with similar climates and vehicle traffic.*

INTRODUCED

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