

SECOND REGULAR SESSION

# HOUSE BILL NO. 1786

## 94TH GENERAL ASSEMBLY

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INTRODUCED BY REPRESENTATIVES MEADOWS (Sponsor), SCHIEFFER, YAEGER, FALLERT,  
WILDBERGER, ROORDA, DOUGHERTY AND WALSH (Co-sponsors).

Read 1st time January 23, 2008 and copies ordered printed.

D. ADAM CRUMBLISS, Chief Clerk

3477L.01I

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### AN ACT

To amend chapter 227, RSMo, by adding thereto one new section relating to highway pavement management.

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*Be it enacted by the General Assembly of the state of Missouri, as follows:*

Section A. Chapter 227, RSMo, is amended by adding thereto one new section, to be  
2 known as section 227.680, to read as follows:

227.680. 1. The department of transportation shall develop and implement a  
2 pavement management system for each mile of roadway on the state highway system. This  
3 pavement management system shall attempt to ensure that a disproportionate share of  
4 pavement shall not become due for replacement or major repair at the same time.

5 2. The department shall develop and implement a life-cycle cost analysis for all  
6 projects funded in whole, or in part, with state funds. The department shall design and  
7 award paving projects utilizing material having the lowest life-cycle cost. All pavement  
8 design life shall ensure that state funds are utilized as efficiently as possible. "Life-cycle  
9 cost" means the total of the cost of the initial project plus all anticipated costs for  
10 subsequent maintenance, repair, or resurfacing over the life of the pavement. Life-cycle  
11 cost shall also compare equivalent designs and shall be based upon Missouri's actual  
12 historic project maintenance, repair, and resurfacing schedules and costs as recorded by  
13 the pavement management systems, and shall include estimates of user costs throughout  
14 the entire pavement life.

EXPLANATION — Matter enclosed in bold-faced brackets [thus] in the above bill is not enacted and is intended to be omitted from the law. Matter in **bold-face** type in the above bill is proposed language.

15           **3. (1) Notwithstanding the provisions of subsection 2 of this section, the department**  
16 **of transportation may conduct not more than four pavement demonstration projects each**  
17 **year to evaluate new construction methods, materials, or design. The department may**  
18 **offer or conduct a pavement demonstration project that may be all or a portion of that**  
19 **project using either concrete or asphalt as determined by the department. Each**  
20 **demonstration project shall include measurable goals and objectives for determining the**  
21 **success of that project. The department shall make a final report for each demonstration**  
22 **project following the demonstration life of the project, which may be shorter than the**  
23 **actual pavement life of the material used for the project, that assesses the cost-effectiveness**  
24 **and performance of the pavement materials and design used in the project and compares**  
25 **the results to the pavement material identified under the department's standard pavement**  
26 **selection process.**

27           **(2) Demonstration projects shall be selected using any of the following criteria:**

28           **(a) Pavement designs intended to increase pavement life expectancy;**

29           **(b) Pavement designs intended to improve performance, including, but not limited**  
30 **to, friction, surface stress, and improvement of ride quality; and**

31           **(c) Comparisons of performance of various types of pavement.**

32           **(3) The total cost of contracts awarded for demonstration projects under this**  
33 **section using asphalt and concrete shall not exceed a difference of more than twenty**  
34 **percent between the respective paving materials in any two-year period. As used in this**  
35 **subdivision, "total costs" means the initial engineer's estimated costs of the pavement**  
36 **design portion of the project.**

37           **(4) The director of the department shall provide an annual report, not later than**  
38 **February first of each year, to the joint committee on transportation regarding the status**  
39 **of each demonstration project.**

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