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HOUSE MEMORIAL 20

**55TH LEGISLATURE - STATE OF NEW MEXICO - FIRST SESSION, 2021**

INTRODUCED BY

Willie D. Madrid

A MEMORIAL

URGING THE PRESIDENT OF THE UNITED STATES, THE UNITED STATES SECRETARY OF TRANSPORTATION AND THE UNITED STATES CONGRESS TO INCLUDE MANDATES AND INCENTIVES FOR THE USE OF EMERGING ROADWAY TECHNOLOGIES THAT PROMOTE THE USE OF COST-EFFECTIVE AND ENVIRONMENTALLY FRIENDLY ROADWAY CONSTRUCTION IN THE NEXT FEDERAL INFRASTRUCTURE BILL.

WHEREAS, the American society of civil engineers stated in its 2017 report card that the United States received a grade of D+ regarding the current state of its infrastructure and that more than four trillion five hundred billion dollars (\$4,500,000,000,000) would be needed to restore the nation's infrastructure to a state of good repair; and

WHEREAS, the federal highway administration has determined in *Towards Sustainable Pavement Systems, Chapter 3. Materials*

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1 *Considerations* that critical areas of pavement construction  
2 that can have a significant effect on the overall  
3 sustainability of a paving project include the following:

4 A. fuel consumption during material transport from  
5 the site, between the plant and the site and the construction  
6 operations themselves;

7 B. exhaust and particulate emissions;

8 C. traffic delays, congestion and noise emissions  
9 generated during construction;

10 D. constructed characteristics of the pavement  
11 surface, which impact surface friction and therefore safety,  
12 noise and possibly fuel efficiency during the use phase; and

13 E. pavement performance and overall life as a  
14 result of construction quality; and

15 WHEREAS, the American society of civil engineers report  
16 card states that thirty percent of New Mexico's roads are in  
17 poor condition, and each driver in the state spends nearly six  
18 hundred dollars (\$600) annually in car repairs; and

19 WHEREAS, use of technology that lowers the cost per lane  
20 mile of roadway construction would assist with New Mexico  
21 infrastructure maintenance and improvements in partnership with  
22 state and local governments and other institutions and could  
23 also result in expanded hiring of construction workers,  
24 including those who may have lost their jobs during the  
25 coronavirus disease 2019 pandemic; and

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1           WHEREAS, New Mexico is currently considering pilot  
2 projects and supporting legislation that promote or require the  
3 use of emerging road construction technologies designed to  
4 lower the cost per lane mile and environmental impact of road  
5 construction as defined by the federal highway administration;  
6 and

7           WHEREAS, these technologies include increasing the use of  
8 upgraded recycling technologies such as the use of high-yield  
9 asphalt products to recycle reclaimed asphalt pavement and  
10 perform full-depth reclamation of existing roadways, as well as  
11 promoting the use of roadway construction that uses less heat-  
12 reliant and material transport technologies;

13           NOW, THEREFORE, BE IT RESOLVED BY THE HOUSE OF  
14 REPRESENTATIVES OF THE STATE OF NEW MEXICO that the president  
15 of the United States, the United States secretary of  
16 transportation and the United States congress be urged to  
17 include mandates and incentives for the use of emerging roadway  
18 technologies that promote the use of cost-effective and  
19 environmentally friendly roadway construction in the next  
20 federal infrastructure bill or any other bill that relates to  
21 highway improvements; and

22           BE IT FURTHER RESOLVED that the New Mexico congressional  
23 delegation be requested to support the purposes of this  
24 memorial and convey the New Mexico house of representatives'  
25 position to house and senate leaders in congress; and

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1 BE IT FURTHER RESOLVED that copies of this memorial be  
2 transmitted to the president of the United States, the United  
3 States secretary of transportation and the New Mexico  
4 congressional delegation.

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