

1 A MEMORIAL

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

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9 WHEREAS, the American society of civil engineers stated
10 in its 2017 report card that the United States received a
11 grade of D+ regarding the current state of its infrastructure
12 and that more than four trillion five hundred billion dollars
13 (\$4,500,000,000,000) would be needed to restore the nation's
14 infrastructure to a state of good repair; and

15 WHEREAS, the federal highway administration has
16 determined in *Towards Sustainable Pavement Systems, Chapter*
17 *3. Materials Considerations* that critical areas of pavement
18 construction that can have a significant effect on the
19 overall sustainability of a paving project include the
20 following:

21 A. fuel consumption during material transport from
22 the site, between the plant and the site and the construction
23 operations themselves;

24 B. exhaust and particulate emissions;

25 C. traffic delays, congestion and noise emissions

1 generated during construction;

2 D. constructed characteristics of the pavement
3 surface, which impact surface friction and therefore safety,
4 noise and possibly fuel efficiency during the use phase; and

5 E. pavement performance and overall life as a
6 result of construction quality; and

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

11 WHEREAS, use of technology that lowers the cost per lane
12 mile of roadway construction would assist with New Mexico
13 infrastructure maintenance and improvements in partnership
14 with state and local governments and other institutions and
15 could also result in expanded hiring of construction workers,
16 including those who may have lost their jobs during the
17 coronavirus disease 2019 pandemic; and

18 WHEREAS, New Mexico is currently considering pilot
19 projects and supporting legislation that promote or require
20 the use of emerging road construction technologies designed
21 to lower the cost per lane mile and environmental impact of
22 road construction as defined by the federal highway
23 administration; and

24 WHEREAS, these technologies include increasing the use
25 of upgraded recycling technologies such as the use of high-

1 yield asphalt products to recycle reclaimed asphalt pavement
2 and perform full-depth reclamation of existing roadways, as
3 well as promoting the use of roadway construction that uses
4 less heat-reliant and material transport technologies;

5 NOW, THEREFORE, BE IT RESOLVED BY THE HOUSE OF
6 REPRESENTATIVES OF THE STATE OF NEW MEXICO that the president
7 of the United States, the United States secretary of
8 transportation and the United States congress be urged to
9 include mandates and incentives for the use of emerging
10 roadway technologies that promote the use of cost-effective
11 and environmentally friendly roadway construction in the next
12 federal infrastructure bill or any other bill that relates to
13 highway improvements; and

14 BE IT FURTHER RESOLVED that the New Mexico congressional
15 delegation be requested to support the purposes of this
16 memorial and convey the New Mexico house of representatives'
17 position to house and senate leaders in congress; and

18 BE IT FURTHER RESOLVED that copies of this memorial be
19 transmitted to the president of the United States, the United
20 States secretary of transportation and the New Mexico
21 congressional delegation.

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