
HOUSE RESOLUTION

REQUESTING THE DEPARTMENT OF TRANSPORTATION TO INVESTIGATE THE
FEASIBILITY AND CONDUCT A COST-BENEFIT ANALYSIS OF PAVING
ROADWAYS IN HAWAII WITH RUBBERIZED ASPHALT CONCRETE.

1 WHEREAS, over eight thousand tons of used tires are
2 collected in Hawaii each year, many of which are not properly
3 disposed of, creating health hazards and unsightly dumpsites;
4 and
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6 WHEREAS, used tires that are properly disposed of are
7 either discarded in landfills or burned for electricity
8 generation, which releases harmful pollutants and greenhouse
9 gases that cause climate change; and
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11 WHEREAS, as an environmentally friendly alternative, used
12 tires may be recycled and used in the manufacture of rubberized
13 asphalt concrete, which can be used as a substitute for
14 traditional pavement; and
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16 WHEREAS, recovering and recycling used tires in this way
17 gives a second life to the raw materials and natural resources
18 used in its manufacture; and
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20 WHEREAS, roads constructed using rubberized asphalt
21 concrete benefit from a significant reduction in traffic noise,
22 increased resistance to rutting, fatigue, and reflective
23 cracking, as well as increased skid resistance and visibility;
24 and
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26 WHEREAS, the increased resistance of rubberized asphalt
27 concrete compared to traditional building materials results in a
28 longer life span for roads, which can offset the initial costs
29 of its construction; and
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31 WHEREAS, other states have already begun to benefit from
32 the use of rubberized asphalt concrete; and



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2 WHEREAS, for example, California recycles seventy-five
3 percent of the seventy million tires that are disposed of each
4 year by using them to manufacture rubberized asphalt concrete;
5 and

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7 WHEREAS, converting used tires into rubberized asphalt
8 concrete for use in the State's roads will derive value from
9 used tires, provide a better incentive for the people of the
10 State to recycle their tires, and ultimately, reduce the amount
11 of improperly disposed tires, resulting in a significant
12 reduction in environmental clean-up costs for Hawaii's counties
13 each year; now, therefore,

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15 BE IT RESOLVED by the House of Representatives of the
16 Twenty-ninth Legislature of the State of Hawaii, Regular Session
17 of 2018, that the Department of Transportation is requested to
18 investigate the feasibility and conduct a cost-benefit analysis
19 of paving roadways in Hawaii with rubberized asphalt concrete;
20 and

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22 BE IT FURTHER RESOLVED that the Department of
23 Transportation is requested to report its findings and
24 recommendations, including any proposed legislation, to the
25 Legislature no later than twenty days prior to the convening of
26 the Regular Session of 2019; and

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28 BE IT FURTHER RESOLVED that a certified copy of this
29 Resolution be transmitted to the Director of Transportation.
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OFFERED BY:

Nicole E. Brown
Joe - Se. Civil
Indelichina *B. Stahs*
Alan

