

MAR 03 2020

SENATE RESOLUTION

REQUESTING THE DEPARTMENT OF TRANSPORTATION TO STUDY THE
FEASIBILITY OF USING RECYCLED PLASTIC TO REPAIR ROADWAYS.

1 WHEREAS, in the *2019 Report Card for Hawai'i's*
2 *Infrastructure*, the Hawai'i Section of the American Society of
3 Civil Engineers (ASCE) graded eleven categories of the State's
4 infrastructure, resulting in an overall average grade of D+; and
5

6 WHEREAS, the ASCE noted that Hawaii's roadways are among
7 the most congested in the nation, and that there will be
8 \$23,000,000 transportation infrastructure funding gap over the
9 next twenty years; and
10

11 WHEREAS, numerous initiatives, including a startup in the
12 United Kingdom and the Solid Waste Institute for Sustainability
13 at the University of Texas at Arlington, have developed
14 techniques for using recycled plastics to repair roadways; and
15

16 WHEREAS, multiple states, including Texas, Iowa, and
17 Missouri, have already begun using recycled plastic in some
18 highway repair projects; and
19

20 WHEREAS, using recycled plastic products in roadway repair
21 projects prevents plastic waste from going into a landfill and
22 presents an opportunity to use bitumen efficiently; and
23

24 WHEREAS, the December 2009 *County of Hawaii Integrated*
25 *Resources and Solid Waste Management Update: The Path to Zero*
26 *Waste* indicates that a significant amount of glass is crushed
27 for use in construction projects within the County of Hawaii,
28 such as using glasscrete in county Solid Waste Division projects
29 and crushed glass for backfill behind retaining walls, and that
30 glass is also shipped to the United States mainland or Asia for
31 remanufacturing; now, therefore,
32

33 BE IT RESOLVED by the Senate of the Thirtieth Legislature
34 of the State of Hawaii, Regular Session of 2020, that the
35 Department of Transportation is requested to study the



S.R. NO. 45

1 feasibility of using recycled plastic to fix roadways in Hawaii;
2 and

3
4 BE IT FURTHER RESOLVED that the Department of
5 Transportation is requested to submit a report of its findings
6 and recommendations, including any proposed legislation, to the
7 Legislature no later than twenty days prior to the convening of
8 the Regular Session of 2021; and

9
10 BE IT FURTHER RESOLVED that certified copies of this
11 Resolution be transmitted to the Director of Transportation and
12 Highways Administrator.

13
14
15

OFFERED BY:

John Gilb
[Signature]
[Signature]

[Signature]

[Signature]
Michelle Fideni

Karl Rhoads

[Signature]

[Signature]

~~*[Signature]*~~

Roslyn H Baker

[Signature]
Anne Mercedes Kim

