

ACT 213

H.B. NO. 3233

A Bill for an Act Relating to Recycled Glass.

Be It Enacted by the Legislature of the State of Hawaii:

SECTION 1. The purpose of this Act is to encourage alternative uses of recycled glass by requiring its use: (1) in the form of glassphalt (or glasphalt) - a supplemental aggregate in asphalt mixes used on highways and roads; and (2) as an aggregate substitute in non-structural applications. The use of recycled glass for these purposes could potentially involve a large quantity of waste glass that would otherwise be part of Hawaii's waste disposal problem.

Several jurisdictions, including New York City and Baltimore, have successfully utilized glassphalt in pavement reconstruction and re-surfacing projects. Some tests indicate that certain problems associated with glassphalt, such as stripping or loosening of small grains of glass, rippling of the surface, and cracking, can be resolved when glassphalt is used only as a base course.

The purpose of this Act is to require the use of waste glass in the form of glassphalt on Hawaii's roadways after development of appropriate standards.

SECTION 2. Chapter 264, Hawaii Revised Statutes, is amended by adding to part I a new section to be appropriately designated and to read as follows:

"§264- Use of glassphalt for pavement construction and repair; required. (a) Beginning on September 1, 1993, all state and county highway construction and improvement contracts for state and county roadways shall require the utilization of glassphalt for pavement construction when crushed glass is available at a cost equal to or lower than aggregate.

(b) As used in this section, "glassphalt" means an asphaltic concrete mixture utilizing crushed glass, under controlled gradation conditions, as a substitute for a percentage of the aggregate in the mix."

SECTION 3. The director of transportation shall review studies and analyses of existing glassphalt usage in other states and municipal jurisdictions. Within twelve months after the effective date of this Act, the director of transportation shall submit amended specifications for inclusion in state and county standard specifications of the use of crushed glass in asphaltic concrete paving mixtures.

SECTION 4. Within 180 days after the effective date of this Act, the State shall require the utilization of crushed glass in non-structural applications in all state and county contracts when crushed glass is available at a cost equal to or lower than aggregate. Non-structural use shall include, but not be limited to, the

following: cushioning and backfill of underground utilities; drainage backfill behind retaining walls; drainage backfill surrounding leachlines and perforated drains; and any other similar uses requiring crushed aggregate for cushioning or drainage in non-structural projects.

SECTION 5. New statutory material is underscored.¹

SECTION 6. This Act shall take effect upon its approval.

(Approved June 12, 1992.)

Note

1. Edited pursuant to HRS §23G-16.5.