A BILL FOR AN ACT

AUTHORIZING THE ISSUANCE OF GENERAL OBLIGATION BONDS AND MAKING AN APPROPRIATION FOR WAILUĀ EMERGENCY BYPASS ROAD REPAIR AND RESURFACING, AND WAIMEA WASTEWATER TREATMENT PLANT UPGRADES FOR THE COUNTY OF KAUA'I.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

| 1 | SECTION 1. The director of finance is authorized to isuue |
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| 2 | general obligation bonds in the sum of \$6,950,000, or so much |
| 3 | thereof as may be necessary, and the same sum, or so much as may |
| 4 | be necessary, is appropriated for fiscal year 2009-2010, for the |
| 5 | capital improvement projects in the county of Kaua'i listed in |
| 6 | section 2 of this Act. |
| 7 | SECTION 2. The following sums, or so much thereof as shall |
| 8 | be sufficient to finance the projects listed in this Act, are |
| 9 | hereby appropriated out of the general revenues of the State of |
| 10 | Hawaiʻi for fiscal year 2009-2010: |
| 11 | <u>FY 2009-2010</u> |
| 12 13 14 | A. WAILUĀ EMERGENCY BYPASS ROAD REPAIR AND RESURFACING (Plan preparation and construction) \$950,000 |
| 15 16 17 18 | The emergency bypass road is used when the state highway (Kūhiʻō Highway) is impassable between Wailuā and Līhuʻe. Kūhiʻō Highway is the only highway between the largest population center on the island (the Kawaihau District) and |
| 19 | the county seat, Līhu'e. The Wailuā emergency bypass road |

is a portion of the former cane haul road system, running



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H.B. NO.214

1 from the Wailuā River to Hanamā'ulu, over land owned by 2 Visionary LLC and the department of Hawaiian home lands. 3 The county initiated negotiations with the property owners to use the road when Kūhi'ō Highway is closed as a result of 4 5 traffic accidents, and has maintained the road at its own 6 cost since about 2004. However, the road must be upgraded 7 to accommodate long-term use. Since the State has no immediate plans to widen Kūhi'ō Highway or create alternate 8 9 routes, there is an urgent need to make further 10 improvements to the emergency bypass road so the largest population center on Kaua'i is not cut off from the county 11 12 seat and the airport when Kūhi'o Highway is closed. Resurfacing a twelve-foot wide road for one-lane and one-13 way traffic is necessary to address the deteriorated road 14 surface and pavement structural failures and washouts. 15 In 16 addition, the request includes funds for safety 17 improvements, such as quardrails, signage and delineators, as well as consultant services for the preparation of plans 18 19 and specifications. 20

22 B. WAIMEA WASTEWATER TREATMENT PLANT UPGRADES \$6,000,000

The Waimea wastewater treatment plant is an existing facility that serves the community of Waimea, Kaua'i, Hawaii. The Waimea wastewater treatment plant was originally constructed in the 1970s and has a capacity of three hundred thousand gallons per day, average daily flow. Presently, the plant is operating at approximately ninety per cent of its capacity, and the county is restricting new sewer service connections in the community due to the lack of available Waimea wastewater treatment plant capacity.

34 Because the plant is operating near capacity, the county 35 has proceeded with the planning and preliminary engineering 36 for expansion. The first step was preparation of a 37 "facilities plan". The facilities plan identifies a near-38 term need to double the existing capacity of the plant. 39 The phase I project will therefore incorporate expansion to a capacity of approximately seven hundred thousand gallons **40** 41 per day, along with providing improvements to the plant's solids-handling facilities, upgrading the effluent to meet 42 43 "R-1" standards for effluent re-use, and other improvements

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1 to modernize and improve plant reliability and efficiency.
2 Preliminary engineering for the expansion is underway,
3 including the preparation of the environmental assessment.
4 The draft environmental assessment was published in August
5 2008.

Expansion of the Waimea wastewater treatment plant will be 7 completed within the existing facility's property, and is 8 anticipated to include modification of the existing 9 activated sludge treatment process to incorporate use of 10 11 alternate treatment processes such as membrane or The expansion will also upgrade the 12 bioreactor design. 13 effluent water quality using ultraviolet disinfection to 14 produce R-1 effluent to allow for enhanced opportunity for effluent reuse. The R-1 effluent will be suitable for a 15 broader range of re-use opportunities, allowing it to be 16 viewed as a water resource for the community. 17

19 The phase I expansion will be designed to provide an 20 average daily wastewater treatment capacity of 21 approximately seven hundred thousand gallons per day. The 22 capacity required is based on the population projection, 23 including moderate additional development of property near 24 Waimea, consistent with growth as anticipated in the 25 county's general plan.

At present, the county is limiting new connections to the county sewer system to one dwelling unit per existing lot of record through the building permit process. This limitation is a constraint on development of subdivisions or new housing in the community, at a time when there is significant island-wide lack of affordable housing.

34 The county will also examine incorporating energy
35 efficiency alternatives into this project such as
36 constructed wetlands to create a more energy efficient
37 facility in an effort to become less dependent on fossil
38 fuel.

The county requests support from the State for this project to include alternative energy initiatives; however, cost estimates were not included in the project cost.



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1 SECTION 3. This Act shall take effect on July 1, 2009.

INTRODUCED BY:

NY REQUEST:

JAN 2 2 2009





Report Title:

General Obligation Bonds; Kaua'i Capital Improvement Projects

Description:

Appropriates \$6,950,000 in general obligation bonds to the county of Kaua'i for improvements to the Wailuā emergency bypass road and the Waimea wastewater treatment plant.

