
SENATE CONCURRENT RESOLUTION

REQUESTING THE DEPARTMENT OF TRANSPORTATION TO STUDY THE
FEASIBILITY OF INSTALLING AN OUTDOOR WIRELESS CORRIDOR
ALONG THE H-1 FREEWAY IN ORDER TO ENCOURAGE UTILIZATION BY
HIGHLY OCCUPIED VEHICLES AND BUSES, AND TO FACILITATE THE
GATHERING OF TRAFFIC METRICS.

1 WHEREAS, legions of Oahu residents spend at least two hours
2 daily traveling on the H-1 freeway during rush hour traffic
3 going to and from work; and
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5 WHEREAS, passengers in vehicles on the H-1 during rush
6 hours could better spend their time while in their cars doing
7 work or research on the Internet; and
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9 WHEREAS, an outdoor wireless corridor infrastructure would
10 support continuous coverage for wireless network services for
11 wireless-enabled laptop computers and personal digital assistant
12 devices (PDA), enabling access to online resources in any
13 location along H-1; and
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15 WHEREAS, traditional hardwired networks, the traditional
16 mainstay of local area networks (LAN), are fast giving way to
17 wireless LANs that will soon become the norm; and
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19 WHEREAS, the connectivity of a wireless corridor could be
20 supplied by high-speed, free space optical laser technology
21 which enables a seamless connection hand off from one wireless
22 access point to another; and
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24 WHEREAS, a wireless corridor would service the basic
25 applications for site operations from two-way radio repeaters
26 data and dispatch, wireless web, remote site links, wireless
27 computer networking, point to point, point to multi-point, and
28 satellite linkage for data and communication; and
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30 WHEREAS, a highway advisory radio service could be
31 implemented on a wireless H-1 corridor, with central connections



1 for programming information to remote sites, including digital
2 displays that could be accessed from a central location through
3 several wired and wireless means; and
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5 WHEREAS, the H-1 would be ideal for installation of a
6 wireless corridor technology which would advance Honolulu in
7 wireless connection technologies; now, therefore,
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9 BE IT RESOLVED by the Senate of the Twenty-third
10 Legislature of the State of Hawaii, Regular Session of 2006, the
11 House of Representatives concurring, that the Department of
12 Transportation is requested to conduct a study on the
13 feasibility of installing an outdoor wireless corridor along the
14 H-1 Freeway in order to encourage utilization by highly occupied
15 vehicles and busses, and to facilitate the gathering of traffic
16 metrics; and
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18 BE IT FURTHER RESOLVED that the Department of
19 Transportation report its findings and recommendations to the
20 Legislature not later than twenty days before the convening of
21 the Regular Session of 2007; and
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23 BE IT FURTHER RESOLVED that certified copies of this
24 Concurrent Resolution be transmitted to Director of
25 Transportation.

