
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, wireless devices, from hand-held assistants like
16 Palm Pilots, to laptop computers, to cellular phones with
17 internet capabilities are exploding in popularity; and
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19 WHEREAS, traditional hardwired networks, the traditional
20 mainstay of local area networks (LAN), are fast giving way to
21 wireless LANs that will soon become the norm; and
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23 WHEREAS, the connectivity of a wireless corridor could be
24 supplied by high-speed, free space optical laser technology
25 which enables a seamless connection hand off from one wireless
26 access point to another; and
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28 WHEREAS, a wireless corridor would service the basic
29 applications for site operations from two-way radio repeaters
30 data and dispatch, wireless web, remote site links, wireless



1 computer networking, point to point, point to multi-point, and
2 satellite linkage for data and communication; and

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4 WHEREAS, a highway advisory radio service could be
5 implemented on a wireless H-1 corridor, with central connections
6 for programming information to remote sites, including digital
7 displays that could be accessed from a central location through
8 several wired and wireless means; and

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10 WHEREAS, the H-1 would be ideal for installation of a
11 wireless corridor technology which would advance Honolulu in
12 wireless connection technologies; now, therefore,

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14 BE IT RESOLVED by the Senate of the Twenty-third
15 Legislature of the State of Hawaii, Regular Session of 2006, the
16 House of Representatives concurring, that the Department of
17 Transportation is requested to conduct a study on the
18 feasibility of installing an outdoor wireless corridor along the
19 H-1 Freeway in order to encourage utilization by highly occupied
20 vehicles and busses, and to facilitate the gathering of traffic
21 metrics; and

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23 BE IT FURTHER RESOLVED that the Department of
24 Transportation report its findings and recommendations to the
25 Legislature not later than twenty days before the convening of
26 the Regular Session of 2007; and

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28 BE IT FURTHER RESOLVED that certified copies of this
29 Concurrent Resolution be transmitted to Director of
30 Transportation.

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OFFERED BY: Will Espero

Anne J. Lee
Shanne Chun Oakland

Gene Meranda
Janice Q. Brown
C. S. ...
and ...

