

GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT

RESOLUTION 2006-020

**APPROVE PROCEEDING WITH PHASE ONE OF ENVIRONMENTAL STUDIES
AND PRELIMINARY DESIGN WORK RELATED TO DEVELOPMENT OF
A PHYSICAL SUICIDE DETERRENT SYSTEM ON THE GOLDEN GATE BRIDGE**

March 10, 2006

**THIS RESOLUTION IS ADOPTED WITH REFERENCE TO THE FOLLOWING
FACTS AND CIRCUMSTANCES, WHICH ARE FOUND AND DETERMINED BY THE
BOARD OF DIRECTORS:**

1. By Resolutions 2005-015 and 2005-031, the Board of Directors approved seeking funding to underwrite the development of environmental studies and preliminary design work ("Studies) for a physical suicide deterrent system on the Golden Gate Bridge, with the understanding that such Studies not begin until funds from non-District sources had been identified and appropriated for the project. The estimated cost of the Studies is \$2 million.

2. The Metropolitan Transportation Commission has allocated \$1.6 million of federal funds for this project, to be matched by \$400,000 from local funding sources. To date, local funding in the amount of \$143,600 has been identified. Specifically, the County of Marin has appropriated \$25,000 and the City and County of San Francisco has appropriated \$100,000. An additional \$18,600 has been raised by the Psychiatric Foundation of Northern California and others by more than 40 donors. Accordingly, with these local funding commitments, a total of \$718,000 will be available to support initiation of the Studies.

3. To expedite initiation of the Studies, the Bridge Barrier Projects Advisory Committee ("Advisory Committee") has recommended that the Studies be undertaken in two phases. The first phase consists of developing conceptual designs for a physical suicide deterrent system on the Golden Gate Bridge and conducting initial wind stability testing and analysis. The second phase, for which full funding has not yet been secured, consists of detailed preliminary engineering and environmental analysis of those designs found to be workable based upon the

RESOLUTION NO. 2006-020
BOARD OF DIRECTORS MEETING OF MARCH 10, 2006
PAGE 2

Phase One analysis, including a visual analysis, historical preservation evaluations, and preparation of detailed cost estimates for implementation. The Studies will be undertaken in accordance with the evaluation criteria adopted by the Board in Resolution No. 2005-033.

4. In light of the imminent availability of adequate funding for Phase One, the Advisory Committee recommends that Phase One of the Studies proceed upon receipt of the local matching funds, with the understanding that work for Phase Two will not be undertaken until full funding from sources other than District funds is received.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Golden Gate Bridge, Highway and Transportation District as follows:

1. The Board of Directors hereby approves proceeding with Phase One of the environmental studies and preliminary design work for development of a physical suicide deterrent system on the Golden Gate Bridge. The scope of work for Phase One generally will consist of the following:

(a) Review of prior studies for physical suicide deterrent systems on the Golden Gate Bridge, as well as barrier studies on other similar structures.

(b) Identification of generic design concepts for use in analyzing wind excitation impacts on structure movement and stability, assuming both a median barrier and no median barrier. Generic design concepts are expected to fall within the following categories:

- Netting under the bridge;
- Structure added to the existing railing;
- Replacement of the existing railing with a new structure; and,
- Analysis of wind impacts of shaping and spacing of structural components such as round versus square railing pickets and of 4-inch (UBC standard) versus 6-inch AASHTO standard) width between pickets.

RESOLUTION NO. 2006-020
BOARD OF DIRECTORS MEETING OF MARCH 10, 2006
PAGE 3

(c) Wind tunnel testing of design concepts to analyze impacts on bridge structure movement and stability.

(d) Preparation of reports and analyses of design concepts, wind tunnel testing results to identify those design concepts to be studied further in Phase Two.

2. In recognition of the importance, as determined by previous actions of the Board of Directors, of evaluating the feasibility of installing a moveable median barrier on the Golden Gate Bridge in tandem with studies of a possible suicide deterrent system, staff is directed to assume two scenarios in undertaking the wind tunnel testing described above: one with a moveable median barrier in place on the bridge and one without such a barrier.

3. Staff is directed to prepare and issue a Request for Proposals for the selection of a consultant to perform the Phase One work, with the understanding the contract will not be awarded until the aforementioned local funding commitments required to support a \$625,000 budget for this work have been received.

4. Staff is directed to continue to provide technical information to support the efforts of other agencies and organizations in their efforts to secure outside funding for Phase Two of the project, it being understood that no Phase Two work will be authorized until full funding from sources other than District funds has been received.

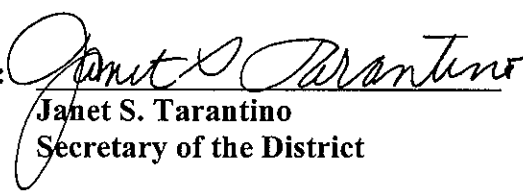
ADOPTED this 10th day of March, 2005, by the following vote of the Board:

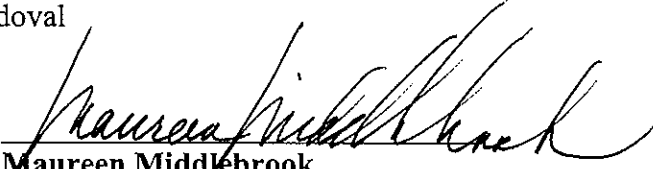
AYES (14): Directors Ammiano, Cochran, Dufty, Eddie, Hernández, Kerns, Murray, Newhouse Segal, Pahre, Reilly, Shahum and Stroeh; Second Vice President Boro; First Vice President Moylan

NOES (2): Director Martini; President Middlebrook

ABSENT (3): Directors Brown, McGoldrick and Sandoval

ATTEST:


Janet S. Tarantino
Secretary of the District


Maureen Middlebrook
President, Board of Directors