

SAFER Cities

Strong-motion Accelerographs For Earthquake Loss Reduction in Cities

A COSMOS -WSSI Initiative for Seismic Safety

The Consortium of Organizations for Strong-Motion Observation Systems

Pacific Earthquake Engineering Research Center

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COSMOS



WSSI

SAFER CITIES STRONG-MOTION INSTRUMENTATION REQUEST

PREAMBLE

WHEREAS potentially catastrophic losses of future earthquakes are reduced and public safety enhanced by effective planning and design of the built environment and by focused earthquake response and recovery,

WHEREAS these actions depend critically on accurate and timely strong-motion measurements and information,

WHEREAS there is an acute shortage of strong-motion measurements and information,

WHEREAS strong-motion measurements and information are essential to minimize the otherwise massive cost of seismic hazard mitigation and recovery in cities and urbanized areas stricken by earthquakes,

THE MEMBERS of **COSMOS** in Cooperation with the **WSSI** (World Seismic Safety Initiative)

CONDUCT the Program entitled “**SAFER Cities (Strong-motion Accelerographs For Earthquake Loss Reduction in Cities) – A COSMOS -WSSI Initiative for Seismic Safety**” to redistribute unused strong-motion instrumentation to non-profit organizations for educational and nonprofit purposes in urbanized areas with little or no means to record the next damaging earthquake,

TO BENEFIT SOCIETY BY:

Improving probabilities for acquiring quantitative strong-motion measurements in damaged cities to:

- 1) Provide the needed basis to rebuild the city to better resist future earthquake disasters,
- 2) Stimulate awareness and action to mitigate earthquake hazards in densely urbanized, high seismic risk regions of the world for which few earthquake resistant measures have been implemented, and
- 3) Stimulate the further development of strong-motion measurement programs and contributions to the presently limited strong-motion database needed to improve earthquake-resistant design and construction in urbanized cities with high seismic risk throughout the world.

IN PURSUIT OF THESE BENEFITS, submittal of requested information shall serve as a formal request to install, maintain, and recover recorded strong-motion data from instruments granted under the **SAFER-Cities** program according to written guidelines established by **COSMOS** and the **WSSI**.



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WSSI

POTENTIAL COSMOS-WSSI INSTRUMENTATION RECIPIENT

Responsible Official and Organization

Name _____
Title _____
Organization _____
Address _____
E-mail _____

JUSTIFICATION FOR REQUEST

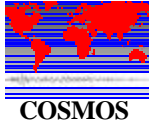
(Please include a statement of your instrumentation program objectives, intended purpose of requested instrumentation, number of instruments requested, and the anticipated length of your monitoring program.)

Program Objectives _____

Purpose of Instrumentation _____

Number of Instruments Requested _____

Length of Monitoring Program _____



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Justification continued

PERSONNEL RESOURCES

(Please include a list of personnel that will be responsible and involved in the management, installation, and maintenance of the instrumentation.)

FUNDING RESOURCES

(Please include a summary of funding sources identified to cover costs of shipping, installation, and supplies, including battery and film replacement.)

Funding Source (s) for Shipping Costs _____

Funding Source (s) for Installation and Maintenance Costs _____

SITING PLAN

(Please include a siting plan and preliminary location map for requested instruments. Please use attachment if necessary.).

Signature of Requesting Official

Date