

Tools that Protect Historic Resources After a Disaster

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California State Historic Preservation Officer*

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HISTORY AT RISK

Loma Prieta:
Seismic Safety &
Historic Buildings



California Preservation Foundation

Fall, 1990

Plan for Recovery Before the Disaster Occurs

- Work for the adoption of a comprehensive, balanced Historic Preservation
- Press actively for the landmarking of key properties to the State Register
- Help develop downtown plans, redevelopment plans, general plans, zoning regulations, and design guidelines with strong preservation policies
- Protect buildings (seismic retrofit, flood control, etc.) and develop local incentive programs to facilitate protection
- Fight density and zoning battles now



Safeguarding Your Historic Site

Basic Preparedness and Recovery Measures For Natural Disasters

Developed through the experiences
of the historic districts of
Nantucket, Massachusetts and Montpelier, Vermont

Federal Emergency Management Agency, Region I



Pick Your Battles Wisely

- Understand the laws and public safety
- Personal crises for local residents set as priorities
- Understand priorities of government officials
- Recognize the signs of psychological and physical fatigue



Buccaneer State Park

Sightseers:

This rubble represents
our lives, our hopes and
our dreams.

Please stay out
of our way.

Katrina Survivors

**STARVING STUDENTS
LANDSCAPING**

•Tree Removal

•Debris Removal

Your Community's Personality will Affect Preservation Disaster Recovery Efforts

- Community with a history of activism and discourse
- Community with and economically healthy downtown
- Community intent on limiting growth, density, and traffic
- Community with strong property rights
- Community with resistant to accept state and federal intervention



Adopt Preservation Sensitive Disaster Ordinances

- Protect listed and eligible buildings on registers and surveys
- Additional protection during recovery
- Define undue financial hardships
- Work to conform to local guidelines/ *Secretary of the Interior's Standards*
- Expedite review process for minor repairs
- Require second opinions when demolition is requested
- Provisions to declare damaged resource a landmark following the disaster



■ Integrating Historic Property ■ and Cultural Resource ■ Considerations Into Hazard ■ Mitigation Planning

State and Local Mitigation Planning How-To Guide

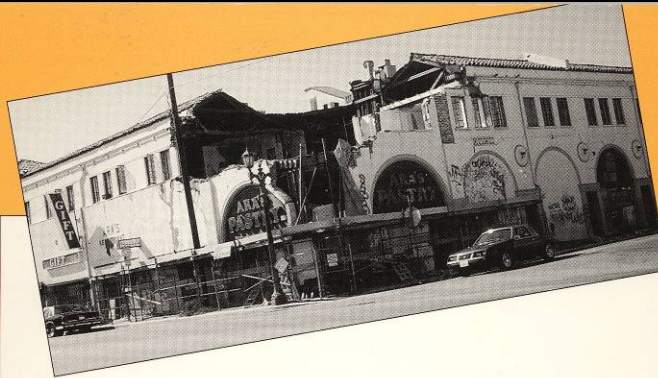
FEMA 386-6 / May 2005



FEMA

Have a Preservation Recovery Plan in Place

- Pass a preservation friendly emergency ordinance
- Develop a disaster preparedness plan for downtown business districts
- Integrate the Preservation Recovery Plan into existing local disaster recovery plans



20 Tools

THAT PROTECT
HISTORIC RESOURCES
AFTER AN EARTHQUAKE

Lessons learned from the Northridge earthquake



California Preservation Foundation

Prepare Post-Disaster Work Immediately

- Survey your community's historic resources
- Create formal links
- Build relationships with the State Office of Historic Preservation and state and national preservation organizations
- Prepare emergency response kits to facilitate your own efforts to go out and inspect damage
- Educate representatives of the Office of Emergency Services and disaster assessment field volunteers on preservation standards

Disaster Management Programs for Historic Sites

**Dirk H.R. Spennemann
David W. Look**

State of California
Governor's Office of Emergency Services

This is to certify that on July 31st, 2002, in Alhambra, CA

Milford Donaldson

Has successfully completed the

Safety Assessment Program

Evaluator Train-the-trainer Course

*And is competent to train Safety Assessment Evaluators in accord with the
regulations, policies, and guidance of the*

California Governor's Office of Emergency Services.

O E S
CALIFORNIA



Governor's Office of
Emergency Services

A handwritten signature in blue ink, appearing to read 'Rick Ranous', written over a horizontal line.

Rick Ranous, Instructor

A handwritten signature in blue ink, appearing to read 'Michael Sabbaghian', written over a horizontal line.

Michael Sabbaghian, P.E.
Senior Civil Engineer

Participate in Community Recovery Efforts

- Take part in disaster drills and modeling
- Work with local government to create stores of shoring materials, compile lists of professionals and materials suppliers
- Encourage other disaster assessment field volunteers outside the region to assist in recovery

SAPS10001 Expires 07/31/2007

Safety Assessment Program

State of California

**Governor's Office of
Emergency Services**



The Disaster Service Worker who is identified by the picture on this card has been assigned ESSENTIAL EMERGENCY DUTIES. It is important that he/she be assisted in the performance of these duties.

Milford Wayne Donaldson

**Architect
CA State Parks**



OES Director



DSW-State





Explain Why Historic Preservation Should Be a Post-Disaster Priority

- Iconic structures versus “ordinary” resources
- Prevent speculative demolition and stress incentives
- Encourage quick repair of early occupancy
- Prevent facade retention or “new” replacements





Give Historic Preservation a Visible Presence

- Cross reference lists of damaged buildings with historic resources using GIS format
- Distribute education information on repair and restoration
- Recommend salvage of dislodged historic fabric and material to store on site
- Take part in all meetings with official, agencies, and owners in recovery efforts
- Distribute names and contact sources of qualified experts





Promote Use of Historic Preservation Professionals to Inspect Damage and Make Repairs

- Understanding of older buildings and resources
- Know how to keep the resource eligible
- Know latest construction and repair techniques
- Avoid damaging historic fabric during cleanup
- Understand codes, emergency rescue operations, and protection of the public
- Promote shoring and stabilization techniques



100th Anniversary Earthquake Conference

Commemorating the 1906 San Francisco Earthquake

Managing Risk in Earthquake Country

April 18 - 21, 2006 | The Moscone Center

Convened Jointly By:



An Affiliation of Earthquake Scientists, Engineers, and Emergency Managers

Understand How Buildings are Inspected and Marked

- Red, yellow, and green tags
- Post-Disaster safety evaluation of buildings
- Red “unsafe” posting does not mean demolition



UNSAFE

DO NOT ENTER OR OCCUPY
(THIS PLACARD IS NOT A DEMOLITION ORDER)

This structure has been inspected, found to be seriously damaged and is unsafe to occupy, as described below:

Building Unsafe

Do not enter, except as specifically authorized in writing by jurisdiction. Entry may result in death or injury.

Facility Name and Address:

N 3rd & Coast REO Building SAPC 50436

Date:

10-9-5

Time:

1:21

This Facility was inspected under emergency conditions by

City of Chula Vista
276 Fourth Ave
619-691-5272

Inspector ID/Agency:

Do Not Remove, Alter or Cover this Placard until Authorized by the Building Official
CVMC Chapter 15.58

ATC 20-1

**Field manual:
postearthquake safety
evaluation of buildings**



Applied Technology Council

ATC 45

**Field manual:
safety evaluation of
buildings after wind-
storms and floods**



Applied Technology Council



Distribute Information to Protect and Educate

- National Register of Historic Places
- State Register, Local Register, Surveys
- *Secretary of the Interior's Standards*
- Local Ordinances with highlights
- Section 106 of the National Historic Preservation Act
- *California Historical Building Code*
- California Environmental Quality Act (CEQA)
- California Public Resources Code Section 5028
- Guidance on the Administrative Process



EARTHQUAKE HAZARD REDUCTION:



*Supported by
a grant from
the National Trust
for Historic
Preservation
Critical
Issues Fund*

*Coordinated by
the Community
Redevelopment
Agency of
the City of
Los Angeles
and the
Los Angeles
Conservancy*

*Cumulative
Impacts on
Historic
Buildings*

*A
Critical
Issues
Study*

FINAL REPORT

1986

Provide Information on Financial Incentives

- Historic Preservation Tax Credits
- Available Tax Relief Programs
- Contact regional, state, and national preservation organizations
- Contact agency and building officials
- Lobby for additional legislative funds
- Have a centralized grants and loan person

Historic
PRESERVATION
Partners for
EARTHQUAKE
Response

\$10 MILLION MISSION ACCOMPLISHED:

Preservationists Conserve History and Prepare Blueprint for Quakes to Come

After the now legendary Northridge earthquake on January 17, 1994 sent a 6.8 magnitude wake-up call across Southern California, preservationists hit the ground running. There was no time to lose. Buildings were damaged across the region, many owned by people who were unaware of their building's historic significance or of the restoration resources available. Every day that passed meant that more structures might be needlessly razed.

As a result of a unique partnership of organizations and agencies, with a \$10 million grant awarded through the National Park Service, many once-threatened architectural and cultural landmarks still stand. Partners included the National Park Service, the National Trust for Historic Preservation, the California Office of Historic Preservation, the Getty Conservation Institute, the Los Angeles Conservancy and the California Preservation Foundation.

The National Park Service awarded grant funds for technical assistance to the National Trust. Construction grant monies were awarded to the California Office of Historic Preservation. Local coordination and assistance were provided through Historic Preservation Partners.

The \$10 million was distributed to property owners through the National Trust and the California Office of Historic Preservation. They awarded 81 technical assistance grants for engineering and architectural work, and 57 bricks and mortar grants for construction. Funding levels ranged from \$5,000 to nearly \$500,000.

The Northridge earthquake resulted in substantial damage to a wide variety of building types

Rancho Camulos, a mid-19th century complex in Ventura County known as "the Lost Mission," is utilizing new adobe retrofit technology to repair quake-crumbled walls. It is slated to become a museum of the California Mission period.

And the once red-tagged Norlin Apartments on North Normandie Avenue in Los Angeles now provide housing for people with HIV and AIDS



Fillmore after restoration.

in a broad geographic area. It caused structural damage to the Mayer Building in Hollywood, for example. Once the office of top movie executives and home to the famous Central Casting Bureau, the landmark is preparing a grand comeback after years out of the spotlight.

through a partnership between owners Neil and Cindi Smith and Project New Hope.

"One of the major successes of this earthquake recovery program was that it built on the strengths of each of its partners for the benefit of the / Continued on Page 2



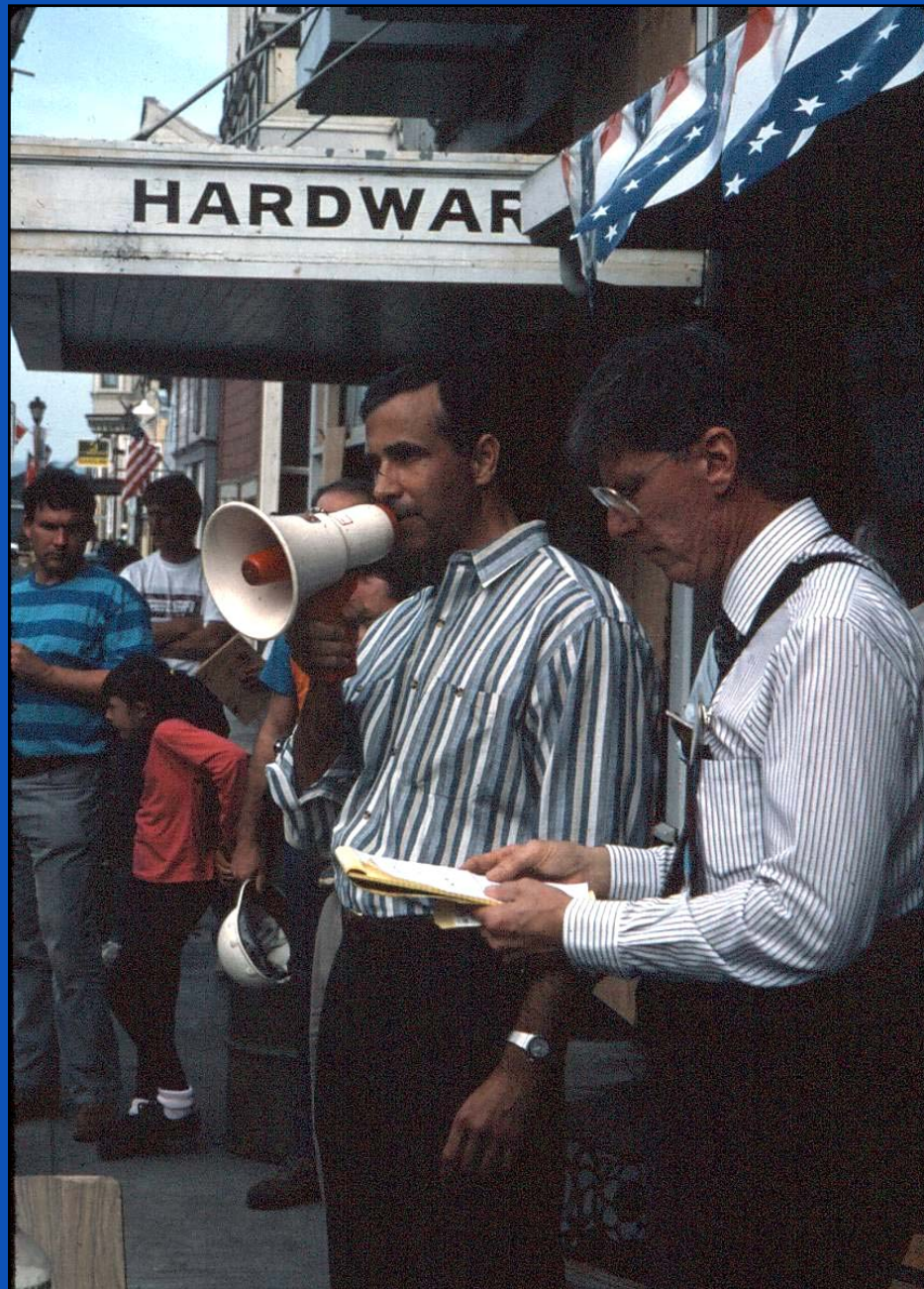






Help Simplify the Repair Process for Property Owners

- Organize a team to deal with key buildings
- Be very clear, go slowly, and remind the property owner later
- Advise owners of low initial bids
- Help property owner keep track of the process





Help Historic Business Districts Recover

- Allow immediate recovery of inventory and records
- Need for adequate cash reserves to repair
- Have a business assistance coordinator to facilitate applications with SBA and FEMA
- Agency to provide shelter for displaced business near vacated buildings utilizing good planning and design
- Redevelopment agency helps with loan payments, façade improvements, and reconstruction





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- ATC 45 Field Manual: Safety Evaluation of Buildings after Windstorms and Floods, By Applied Technology Council Redwood City, California 2004
- Field Guide to Emergency Response, By Jane S. Long, Produced by Heritage Preservation in support of the Heritage Emergency National Task Force 2006

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