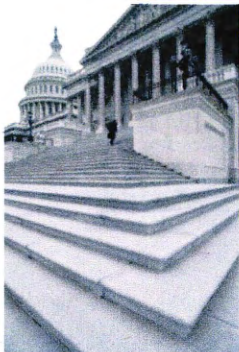


ONCE IT'S
GONE....

*We don't often dwell on the
aftermath and confusion cre-
ated by natural disaster.*

*Perhaps we can be better pre-
pared. It takes some foresight.*

*It makes us consider what is
valuable and worthwhile.*



Utah Seismic
Safety
Commission

Structural
Engineers
Association of
Utah

Seismic Safety of Existing Buildings



Utah Seismic Safety
Commission

Structural Engineers
Association of Utah

Contact:
Barry H. Welliver
Structural Engineer

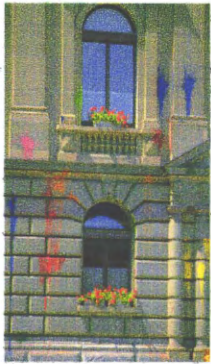
Phone: 801-553-0162
Fax: 801-553-0163
Email: wellive@ibm.net

Is Utah Ready?

Earthquakes Don't Happen Here.

Recent extraordinary events in Salt Lake City remind us that natural hazards don't always happen in other places.

Utah communities have recognized the areas' earthquake hazard through building code regulations since 1935.



Older properties display some of the finest detail and are worthy of our preservation efforts

These seismic requirements have changed with new knowledge gained through research and observation of damage to buildings after destructive events. But many buildings constructed under earlier building codes live on in our communities, some with hazards not considered when they were first constructed.

It may be difficult to consider risks posed by earthquakes which may not occur in one lifetime. But knowing that under designed structures will surely fail if there is one is worth the consideration.

IT MUST COST A LOT

Costs for rehabilitating existing buildings are generally greater than for new structures due to the need to add new elements throughout and the disruptive nature of construction.

But compared with the aftermath of repair costs to a damaged or potentially destroyed building, it can be inexpensive insurance. Building ownership represents a financial commitment. The value of the property is maintained only with sound business decisions related to it's upkeep.

Occupant safety is the primary goal of building code regulations. We ask no less of our newer buildings. Truth is, we can't wait to know if older buildings will survive and keep occupants safe.

WHY NOW ?

It makes sense to have the foresight to look back at existing buildings and their safety. Reducing the vulnerability of older buildings can be woven into construction costs for projects undergoing renovations right now. Just as any remodel work would upgrade the quality of building space, it makes good sense to update the

lateral strength of older buildings. Our communities are growing at an unprecedented rate. The forthcoming Olympics has set the stage for an increase in building activity and the opportunity is now.

WHAT CAN BE DONE?

Rehabilitation of existing buildings is an area that has been dealt with in numerous communities. There are many considerations in selecting a program that meets the needs of our communities. Doing something is the necessary first step. Deciding how it will work here requires involvement of all the stakeholders. Providing a plan which allows for peace of mind of all parties will make this effort worthwhile.

Utah Seismic Safety
Commission

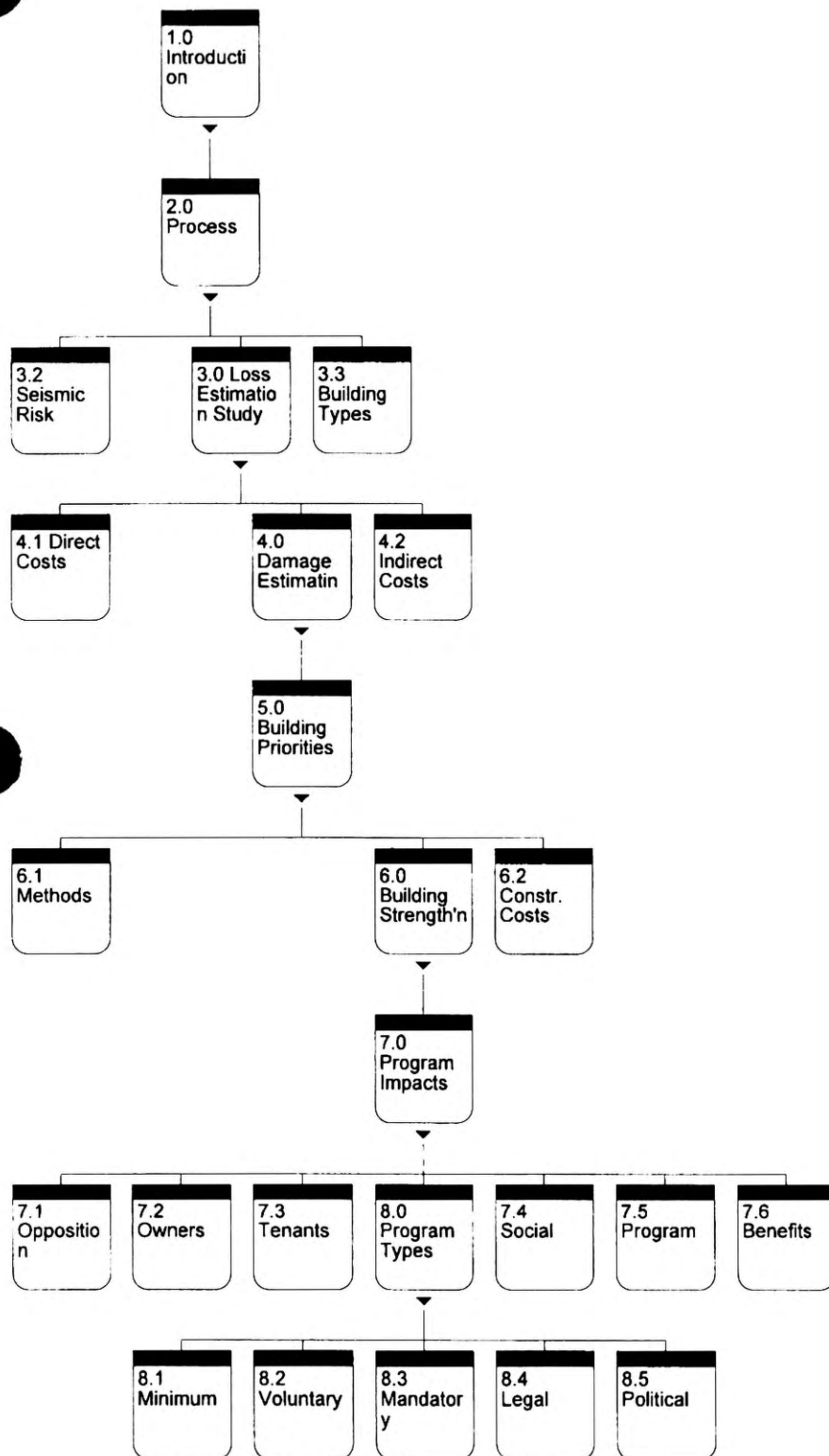
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Seismic Safety Of Existing Buildings

Organization / Stakeholder	Representative/ Organization	Other Recommendations
Historian	<ul style="list-style-type: none"> • Don Hartley (pending) / State Historic Preservation • /Utah Heritage Foundation 	
Structural Engineers Association of Utah	<ul style="list-style-type: none"> • Barry H. Welliver 	
American Institute of Architects	<ul style="list-style-type: none"> • Burtch Beall (pending) • Barry Smith / AIA ? 	
Building Official	<ul style="list-style-type: none"> • Roger Evans /Salt Lake City • Carl Eriksson (pending) 	<ul style="list-style-type: none"> • Ann / City of Murray
Banking	<ul style="list-style-type: none"> • Wells Fargo / Zions / First Security 	
Insurance	<ul style="list-style-type: none"> • Joni Whitear (pending) / State Farm 	
Developer	<ul style="list-style-type: none"> • Tom Alquist or Greg Gardiner (not contacted) / Boyer Company • / Westside 	
State Government	<ul style="list-style-type: none"> • Matthias Mueller, Dave McKay (not contacted) / DFCM 	
Building Owner	<ul style="list-style-type: none"> • Joel Madsen (pending) / Target Industries 	
Construction Manager	<ul style="list-style-type: none"> • Rich Hall (pending) / RK Hall 	
Contractor	<ul style="list-style-type: none"> • Rick Dunn (pending) / Culp Construction 	
Legal	<ul style="list-style-type: none"> • Craig Coburn or David Merringer (not contacted) / DPIC 	
Building Owners & Managers Association		
Housing		
Schools		
Progress Associations		
Other Business Interests		
Other Public Interests		

Existing Buildings Web Site





State of Utah

UTAH SEISMIC SAFETY COMMISSION

Michael O. Leavitt
Governor

Walter J. Arabasz
Chairperson

Staff:
Utah Geological Survey
P.O. Box 146100
Salt Lake City, Utah 84114-6100
Phone (801) 537-3300
FAX Line: (801) 537-3400

Utah Division of Comprehensive Emergency Management
State Office Building, Room 1110
Salt Lake City, Utah 84114
Phone (801) 538-3400
FAX Line: (801) 538-3770

UTAH SEISMIC SAFETY COMMISSION BUDGET October 14, 1999

INCOME July 1, 1998 - June 30, 1999:

Carry Forward from 1997-1998	\$4,346.50
Budget from Legislature	<u>\$4,500.00</u>

TOTAL: \$8,846.50

EXPENDITURES July 1, 1998 - June 30, 1999:

Printing Letterhead	\$ 110.64
Photocopying (Cal. EQ Reduction Plan-G. Christenson)	\$ 75.00
Motor Pool Rental	\$ 3.30
Food and Refreshments	
Meeting refreshments	\$ 378.25
Box lunches (April)	\$ 235.00
R. Lynn dinner	\$ 113.71
Postage	\$ 66.12
Travel Reimbursements	
Personal auto mileage reimbursement (L. Youd)	\$ 31.00
R. Lynn (per diem, lodging, and air fare)	\$ 320.00
Registration Fees	
W. Arabasz & B. Solomon (Earthquake Conference)	\$ 198.00
W. Arabasz (WSSPC)	\$ 235.00
1998 Earthquake Conference with ACP	
Printing	\$ 42.00
Postage and handling preliminary announcement	\$1,148.50
Postage and handling registration mailing	<u>\$1,277.00</u>

TOTAL: \$4,233.52

BALANCE as of 6/30/99: \$4,612.98

FUNDS AVAILABLE FOR JULY 1, 1999 - JUNE 30, 2000:

Carry Forward from 1998-1999	\$4,612.98
Budget from Legislature	<u>\$4,500.00</u>

TOTAL: \$9,112.98

