

UTAH SEISMIC SAFETY COMMISSION

Meeting
July 17, 1998

MINUTES

On July 17, 1998, a regularly scheduled quarterly meeting of the Utah Seismic Safety Commission was held at the Utah State Office Building Room #2112, Salt Lake City, Utah. The meeting was called to order at 9:00 a.m. by Chairman Walter Arabasz.

Members Present:

-M. Lee Allison	Utah Geological Survey
-Walter J. Arabasz	Chair/Seismic Safety Commission-University of Utah Seismograph Stations
-James S. Bailey	Structural Engineers Association of Utah
-Peter C. Knudson	Utah House of Representatives
-Bill Juszcak	Utah Division of Facilities Construction & Management
-Steve Pratt for Russ Wilder	Federal Emergency Management Agency (Ex-Officio)
-Les Youd	BYU Civil Engineering Department

Members Not Present:

Kenneth Bullock	Utah League of Cities and Towns
Craig L. Dearden	Utah Department of Public Safety
Lorayne M. Frank	Division of Comprehensive Emergency Management
James W. Golden	Structural Engineer Division, Department of Transportation
Sen. Craig A. Peterson	Utah State Senate
Barry Smith	Western Mountain Region, American Institute of Architects
Randall G. Updike	U.S. Geological Survey (Ex-Officio)
Suzanne Winters	Governor's Office of Planning and Budget

CEM Staff Present:

Bob Carey	Mitigation & Planning Section, CEM
Sylvia Haro	Mitigation & Planning Section, CEM

UGS Staff Present:

- Gary E. Christenson Utah Geological Survey
- Janine Jarva Utah Geological Survey
- Barry Solomon Utah Geological Survey

Guests Present/Committee Members:

- Roger Anderson Davis County Sheriff's Office
- Jay Aguilar Bear River AOG
- Karen Mayne Provo Emergency Management
- Jennifer Brown State Farm Insurance
- Tony Tolliver State Farm Insurance
- Jan Gibbons Davis School District
- Marv Halling Utah State University
- Steven Bartlett Utah Department of Transportation
- Barry H. Welliver Awareness & Education Standing Committee
- Ann Becker U of U Seismograph Stations/Awareness & Education Standing Committee

WELCOME

Chairman Walter Arabasz welcomed and thanked everyone for attending the meeting.

WATER & WASTEWATER SYSTEMS

Mr. Carl H. Carpenter made an informative presentation on Utah's earthquake vulnerability of water and wastewater systems. Mr. Carpenter offered to make his presentation to various water associations throughout the state at no cost. His presentation includes teaching those involved on how to access and evaluate their own systems, mitigation, retrofitting options,

MOTION: Dr. Walter Arabasz made a motion for the Commission to appropriate sufficient funding out of its 1998-99 budget to cover travel, lodging, per diem, and mileage expenses for presentations made throughout the state. Motion was seconded by Lee Allison. This motion would be addressed later on in the meeting when there are enough members present for a quorum.

FEMA RISK ASSESSMENT & HAZUS

Steve Pratt, FEMA, made a presentation on HAZUS, the FEMA tool for estimating earthquake losses--Partnership in Risk Assessment and Hazard Reduction, which took seven (7) years to develop. Based on national GIS data, risk assessment and hazard reduction scenario was created for the Centerville, Utah, a project called "Project Impact." Project Impact is to help

communities become disaster resistant. Some of the findings and information gathered: There are 75 schools in Davis County, information on when the schools were built, type of material used; highway, freeway, and rail-way information, location of natural gas lines; built environments in the area; casualties estimates if an earthquake was to occur at different times during the day, and at various severities. A handout was distributed to those present which included

pre-event planning, school buildings, 50-56% chance that each residential unit has moderate damage. Building damage by county, freeways through Davis 78%-98% chance of at least moderate damage overpasses, pre event plan three scenarios, size of that event, Walter, programs, map, data is available would like more accurate information, missing info, real accurate, forward copy calibrated this in Northridge event L.A. Basin made some adjustment detailed data, off data off for some percent trend, Walter: strategic planning looks in the horizon real time handout quick loss assessment what kind of losses that can be anticipated.

Jan Gibbons, school initiative , sent survey to 731 principals , survey 102 private schools, 49.2% of public schools surveys have been sent very few are talking about shelter, half of the schools evaluated in tabletop evaluation faculty and staff aware if plan but not parents of students families with plan 2/3 3/4 schools fully trained OSHA requirement three (3) min 3 staff per school if more than 34-50 employees, First Aid and COPR, we need to educate emergency team SERT good training available through CEM.

Non structure hazards half plan to mitigate most principals don't know if building has been inspected examples of emergency plans educate them and how to educate students emergency response training definition of a prepared school this is a definition of prepared d schools

one of the members arrived at this time, we now have a quorum. Person replacing bill Juzack Prepared school micro do we need to manage endorsing or support question. 50% of schools who didn't respond the only data because they were not prepared, not sure why they did not respond plans to go to small schools 10-20 sampling of those schools surprisingly high Davis County schools are well prepared, many schools responded Matthias Mueller, DFCM architect, rules just changed,

MOTION: that we adopt definition of prepared school with the definition (deletion of due to dam failure. Do we want to endorse if we could go back substitute

MOTION to approve for the Commission to endorse "Prepared School initiative as presented by the standing committee included definition as. Barry Salomon seconded the motion. The motion was unanimously approved.

Jim indicated he met with Scott Bean presented ideas asked engineering committee to come up with

written recommendations last meeting was last week. Present. Barry initiate to provide peer review at during design, and document stage relative to under seismic design. Level beyond value engineering discuss intend us to make simple as possible. So that school superintendent adopt 100+ occupancy outside consultant to review when? 90% complete level. Concern know that build involved at two levels make suggestions structural situation on outside consultant would be entering info concept, qualification what standard, pull away from value engineering there are things that complicate this type of regulation committee step we are taking being involved there is a need for outside consultant. We don't want to create liability to those who provide limitations. We want to be involved. Schools construction. Larry Newton, Office of Education was not at the last meeting. We would like to work in progress. Ron Dunn draft letter to go to Scott Bean review by committee in 4-6 weeks you'll have letter. I will see information/

Gary Christenson, Utah we don't land shading maps. UofU and Utah Geological Survey received a proposal to do those maps next year would like input for what they would like scenario maps how many would be interested participate in input Walter, Jim will send invitations out to Commission.

Ann Becker , Assoc. Of Contingency Planners Sept. 22, University Park Hotel, 1998 USSC Conference keyed towards, see little green flyer, postpone budget report.

Walter, asked as part of the required procedures, he would step out of the room and nomination and election of Commission chairperson take place. Knudson nominated Dr. Walter Arabasz, Jm seconded the motion. By acclamation no further discussion it was unanimously approved, Dr. Walter Arabas has unanimous been elected to serve as the chair of the USSC for 1998-99.

Budget Report

Approval of minutes

guy next to me made the motion to approve the minutes as printed. Barry Smith seconded the motion. The minutes were unanimously approved as printed.

BUDGET REPORT

Barry Solomon \$9,900 fiscal year, spend \$1,500 conference scheduld for Sept. 22, creation of web page. Barry Smith commission how to deal with public exp, give info out these meetings, reporting for input manage web page, active web master, Lee said Mr. Carpenter cover his attend quarterly meetings, basis state reimbursements Mr. Carpenter. Staff to manage 1,500 maximum reserve reimbursable expenses per year, change to Barry moved to , second person from Carl seconded, Cost incurred reimbursement presentaiton . Motion Passed carpentere will contact I-15, highway reconstruction an partenering with UDOT, Steve Barlett, research manaager unite propoisal fed highway admins. MOTION. Walter form task force get verbage from constracted detail plan

maintenance costs. Bary Smithg suggested member see attachment #5.

Les Youd all in favor.

Attachment #6. Utah's Earthquake info. Needs new technology and solutions b system in place by olympics. Approach governor, planning and design multi million level would be and from federal sources, siting p meet olympic timeline commission endorse to approach as direct seek securing design dollars and planning money 1/4 million could come up by MOTION: Lee seconded all in favor. Unanimously approved. Suggested Carenter shape from where we are going.

#7 Barry get strategic planning two acres, creating develop municipalities interest to endorse in this commission effort to state buildings board (guy opposite of me, have we ever been successful on going fund to update haz and critical buildings. Browning building is being renovated. Earthquake safeguard condition of state buildings money to update it is an issue. Strategic plan some review of DFCM guy will Seismic has been incorporated into the renovation Browning upgraded 62% complete. Survey some state buildings. DFCM guy, A. If there is significant repair it would be upgraded address new grant hotelthey didn't do anything some buildings in salt lake, next guy to me, budget set aside for seismic there state study condition of bldgs. Be upgraded retrofitting.

Engineering & Architecture Walter/Matt, DFCM should be . Capitol renovation selective engineer should look at geo science standing committee. Gary - needs input from other comittees. Walter Task Force to engate structural engineers to give specific foreget federal pot growth and development if we are going to make I-15 a difference see last sheet of handouts. Ann attend lesson Lifelines Committee Steve government help city and munipilatier consider plan check when they do planning compile lifeline maps in conjunction, public utilities water dest g- 2-3 conferences reviewing seismic lifeline ingrastructure some agency gone some blocking and tackling. e pilot project could then be used as a model for other local Utah communities.

APPROVAL OF MINUTES

MOTION: The minutes from the meeting held on January 9, 1998, were unanimously approved with no corrections.

PROPOSED "PREPARED SCHOOLS" PLAN

EARTHQUAKE SAFETY IN NEW SCHOOL CONSTRUCTION

STAFF REPORT

SALT LAKE CITY SPECIAL FAULT STUDIES UPDATE

SCHOOL CONSTRUCTION UPDATE

1998 USSC CONFERENCE

NOMINATION/ELECTION OF 1998-99 CHAIRPERSON

COMMISSION'S ONE-YEAR PLAN

ASSIGNMENTS

- ◆ *University of Utah Seismograph Stations*, for their earthquake education efforts in schools.
- ◆ *Utah Division of Comprehensive Emergency Management*, for their 1996 booklet on how to reinforce vulnerable brick homes.
- ◆ *Utah Geological Survey*, for their brochures and maps, increasing public awareness of Utah's hazards.

NEXT MEETING

DATE: October 16, 1998

TIME: 9:00 a. m. - 11:00 a.m.

**PLACE: State Office Building #1110
Salt Lake City, Utah**

ADJOURNMENT

The meeting adjourned at 11:00 a.m.

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