

UTAH SEISMIC SAFETY COMMISSION

Meeting
October 16, 1998

MINUTES

On October 16, 1998, a regularly scheduled quarterly meeting of the Utah Seismic Safety Commission was held at the Utah State Office Building Room #1112, Salt Lake City, Utah. The meeting was called to order at 9:05 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
-James W. Golden	Structural Engineer Division, Department of Transportation
-P. W. McDonough	Questar/ American Society of Civil Engineers
-Earl R. Morris	Utah Division of Comprehensive Emergency Management/DPS
-Matthias Mueller	Utah Division of Facilities Construction & Management
-Randall G. Updike	U.S. Geological Survey (Ex-Officio)

Members Not Present:

Peter C. Knudson	Utah House of Representatives
Kenneth Bullock	Utah League of Cities and Towns
Craig L. Dearden	Utah Department of Public Safety
Sen. Craig A. Peterson	Utah State Senate
Barry Smith	Western Mountain Region, American Institute of Architects
Suzanne Winters	Governor's Office of Planning and Budget
Russ Wilder	Federal Emergency Management Agency (Ex-Officio)
Les Youd	BYU Civil Engineering Department

CEM Staff Present:

-Bob Carey	Mitigation & Planning Section, CEM
-Sylvia Haro	Mitigation & Planning Section, CEM
-John Rokich	Mitigation & Planning Section, CEM
-Don Cobb	Natural & Technological Hazards Bureau, CEM

UGS Staff Present:

-Gary E. Christenson	Applied Geology Section, Utah Geological Survey
----------------------	---

-T J Madden Utah Geological Survey/Awareness & Education Standing Committee
-Barry Solomon Applied Geology Section, Utah Geological Survey

Guests Present/Committee Members:

-Steven Bartlett Utah Department of Transportation/Lifelines Standing Committee
-Ann Becker U of U Seismograph Stations/Awareness & Education Standing Committee
-Jon Bischoff Utah Department of Transportation, Geoscience
-Carl H. Carpenter Consulting Engineer
-Ron Dunn Dunn Assoc. Inc./Engineering & Architecture Standing Committee
-Jan Gibbons Davis School District/Awareness & Education Standing Committee
-Gary Madsen Utah State University/Awareness & Education Standing Committee
-Karen Mayne Provo Emergency Management
-Mike Stever Salt Lake City
-Barry H. Welliver Barry H. Welliver/Engineering & Architecture Standing Committee
-Joni Whitear State Farm Insurance/Awareness & Education Standing Committee
-Ivan Wong Woodward-Clyde

☐ WELCOME/OVERVIEW

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

☐ USSC MEMBERSHIP

Dr. Walter Arabasz announced that USSC is going through a turnover of five (5) members. No replacement has been designated by the Legislature, as of this time, replacements for Senator Craig Peterson and Representative Peter Knudson. The Commission is combined by 13 commissioners. Of those the following introduced themselves.

- ▲ Earl Morris, Division of Comprehensive Emergency Management, replaces Lorayne Frank.
- ▲ Matthias Mueller, Division of Facilities Construction Management, replaces Bill Juscack
- ▲ Peter Mcdonough, American Society of Civil Engineers, replacing Les Youd.
- ▲ Jim Golden, Utah Department of Transportation,
- ▲ Randall Updike, Geologic Hazards Team, Golden, Colorado, USGS; Lee Allison, Director, Utah Geological Survey.
- ▲ Jim Bailey, owner of Bailey Structural Engineers, Structural Engineers Association of Utah,
- ▲ Barry Smith, Western Mountain Region, Utah Society of American Institute of Architects.

Jim Bailey has been re-elected by the Structural Engineers Association of Utah as the

representative on the Commission for another two years. Barry Solomon was also re-elected to serve on the Commission another two years. Walter Arabasz, University of Utah, was re-elected as chair of the Commission at the last meeting. His term will be for one year.

APPROVAL OF MINUTES

MOTION: *James Golden made a motion to approve the minutes from the meeting held on July 17, 1998. Lee Allison seconded the motion and the minutes were unanimously approved with no corrections.*

USSC DUTIES AND RESPONSIBILITIES (Section 63C-2-2, UCA)

Dr. Arabasz distributed a copy of the statute and discussed it. Dr. Arabasz further stated that the Commissioner of Public Safety unfortunately does not usually attend the quarterly scheduled USSC meetings and neither does the representative from the Utah Leagues of Cities and Towns, this leaves us often times with our meetings on the edge in terms of whether we have a quorum or we don't. We will try to address some change in statute to make sure that if we want an effective Commission, that at least we don't have to worry about having a quorum when we have our quarterly meetings, but it also places a responsibility on each of you, he asks that when the meeting notices are sent, to please RSVP the staff if you will attend or not attend the meeting. So that we can anticipate either having a quorum or not having one, the responsibilities are spelled out in the statute.

"The commission shall; review earthquake-related hazards and risks to the state of Utah and its inhabitants; prepare recommendations to identify and mitigate these hazards and risks; prioritize recommendations and present them to state and local government or other appropriate entities for adoption as policy or loss reduction strategies; act as a source of information...; prepare a strategic seismic planning document before the 1995 annual general session of the Legislature;" which was prepared. In 1996, the Commission, with the help from the Utah Geological Survey and CEM compiled a progress report on what achievements, movements, actions towards enhancing earthquake safety in the state. *"The commission may divide or create subcommittees as it determines necessary to carry out its duties."* We have created the following standing committees: Awareness and Education; Emergency Management; Engineering and Architecture, Geoscience, Intergovernmental Relations; Lifelines; and Infrastructure.

Prior to becoming USSC, there was a Utah Earthquake Advisory Board.

TRANSCRIPTION FROM HERE ON.. PLEASE EDIT!! THANK YOU.

We come as individuals once quarterly to a meeting and some form act as arbitrators or agost?? Commissioners, with business being brought before the commission or we each are active champions or at least one action to promote earthquake safety in the state. Obviously because of our backgrounds and interests it would be variable. We can only have so many agost commissioners coming on a quarterly basis and making decisions or approvals of motions, the job of fighting for earthquake safety in the state clearly comes down to the rest of us because we are few and far between. My expectation, I ask each commissioner to become a champion for at least one identifiable action that will promote earthquake safety in the state. Under the chart, you can do this in one of two way, you can do with your own energy and interest, or you can do it by ensuring that one of those standing committees is energized to carry out your idea, the action that you want to champion, I would like each standing committee to have at least one liaison from the Commission, not necessarily that this person be the chair of that standing committee, but the commission be represented in each of those committees. The Awareness and Education Committee currently chaired by Ann Becker, the commission liaison will be Lee Allison, Emergency Management Committee currently chaired by Pat Lewis, the commission liaison will be Peter McDonough. Engineering and Architecture Committee, currently chaired by Ron Dunn, the commission liaison will continue to be Jim Bailey???. The Geoscience Committee currently chaired by Gary Christenson, the commission liaison will continue to be Walter Arabasz. Intergovernmental

Relations currently chaired by Don Bower who replaces Suzanne Winters.

Lifelines and Infrastructure chaired by Jim ??, the commission liaison will continue to be Jim ??.

☐ TASK FORCE FOR I-15 STRONG-MOTION INSTRUMENTATION

Steven Bartlett, Utah Department of Transportation, reported that at the last USSC meeting a Task Force was formed and chaired by Dr. Les Youd, BYU, to look at putting some strong -motion instrumentation on some of the bridges on I-15. Steven represents UDOT research and what is now happening within Research on the I-15 project, there has been a consortium formed through Utah Transportation Center, it is Utah State University, the three major universities, Utah and BYU, have got together and put together a proposal to federal highways administration for funding for I-15 Research. It is a continuing program over the next four years, the first year that program is hoped to be funded at about two (2) million dollars, as kind of a sub set of that program there was a though and all three major universities are in agreement that there ought to be a plan put together to look at the number of locations and the type of instrumentation program that UDOT reviews on these new I-15 bridges, that passed and it is now in the work plan to the Federal Highway Administration to develop a plan or deploy a strong-motion instrumentation, under the four year research program. Also, Utah State University in one of their work plan they are proposing to also instrument one location. The two million will be awarded for the one -year project. Walter

asked. The original intent of the Task Force to assist UDOT in preparing the proposal to fund instrumentation. FHA there is a proposal to set aside certain amount of monies to develop that plan.

☐ EARTHQUAKE SAFETY IN NEW SCHOOL CONSTRUCTION

Ron Dunn, Engineering and Architecture Standing Committee, In the past several months, we have put together a letter to Scott Bean, Superintendent of Public Education, sent a copy of the draft letter to all of the members of the Commission. Received feedback, in general it represents the consensus of what we are trying to propose, the recommendation was that any new construction the cold team that reviews value engineering at approximately 30% stage, that the same engineer if possible be brought back at 90% submittal, at that time the drawings should be in sufficient detail from a lateral state point, appropriate detail are clearly identified on the contract documents, at 90% a review. This proposal has been well received by those people in charge of some of the school districts and it is basically is asking for another set of eyes to look at. We want to have one more meeting to finalize our goals for the upcoming year, he will send copies to Walter Arabasz and Jim Bailey, and present the final goals to the Commission at future meetings. Walter: We'll return in the second part of the meeting to the proposal of using the web page as a focus for assessing problems, offering solutions to the public and also making. He is going to propose a very specific outlet, so that Barry can carry back to you and the rest of your committee possibilities there for committee's agenda, as it looks at its goals. Walter: We have been doing, looked at the problem of safe school construction, and we decided that we would take it one step at a time, and that we would hit the issue of seismic review and we did this by approaching the state superintendent of public education who is receptive to receiving recommendations from the Commission and the Standing Committee, and that's the nut that we are cracking right now, thanks the work of this committee. We also promised dialogue with the various state school districts and we included Larry Newton, the committee is still coordinating with him in formulating this recommendations. This process is well along. They are We as a commission are supporting your recommendations. Ann Becker recommended consider private schools, in the results of the education subcommittee we found that private schools lack in considerable amount in terms of preparedness and awareness to public schools. According to the survey they were 730 public schools and about 100 private schools.

☐ PREPARED SCHOOL PROGRAM UPDATE

Jan Gibbons and Ann Becker the prepared school program, Ann: The Awareness and Education Committee. Schools Subcommittee, Jan Gibbons: we did survey, completed of private and public schools and the results have been published we have not past out the results anyone other than the school districts at this point, had help Tim Madden to help us write a news release and we're updating to include some other things that we are doing. We've come up with a logo, to

include in all of our correspondence. We are talking in the future doing a one page information pages, like this is what you do when you shelter place, proclamation, we have written a proclamation and plan on forwarding it to the Governor to get a date to have the proclamation signed, we are hoping to have it signed at the beginning of March, because in April we are going to have our earthquake Disaster Preparedness month, and the reason we picked April is because it is the national month. Educational material. The subcommittee is collecting information material through CEM and FEMA, and other materials that we have through the PTA, we are going to be sending them out to all of the schools in January, they will have them in place before April, we are not going to ask them. We are designing a bookmark so that we can give that out to all of the students that are participating in our Earthquake Disaster Preparedness month in April. We have a flyer that has been designed and passed it out during UEA, we are going to add it to the Health Department, Nurses PTA newsletter that they have as well as their packet that they send out to all their PTA members. Certificate of participation, we are trying to get them all at a better level of awareness and better level of preparedness, but we know that is going to take time, we can't just say, this year, you have to . Elementary schools are required to hold fire drills monthly and secondary schools hold fire drills four times a year. The program also asks that all schools hold an earthquake drill annually. The earthquake drill should consist of a full-scale evacuation. We're asking them to do mitigation in the classrooms and see what non-structural hazards they can find in the classroom and fix them. They are going to report to us how many they found and what percentage they were able to fix. We are asking them to have a working safety committee, and we are asking them to report back what did that safety committee do and also have an evaluation of the drill, debriefing following the drill. Because we felt that it was very important for them to start thinking along the lines, but they need to have a plan and since this school year is so short, from the time

☐ FUNDING FOR A REAL-TIME SEISMIC INFORMATION SYSTEM

Walter: The objective is to transform Utah existence regional seismic network into a real time earthquake information system, including strong motion sensors, would have multi-purpose use for earthquake science engineering and emergency management, the price tag is in the \$5-10 million range, depending on the extent of the Wasatch Front that we expect to cover, at the last commission meeting, we received an endorsement to approach the governor's office to request planning and design money for this system in part of the strategically positioned before the 2002 time frame so that we were ahead of the curve with some federal appropriation for real time warning and alert systems, that the system could be built before the Olympics, with the endorsement from the commission and also with permission from the University of Utah to approach the Governor's Office to request this planning and design money, or request into the governor's budget. Had a meeting on August 12, 1998, with Ted Stewart, Governor's Chief of Staff, and other staffers, and put forth the request for this planning and design money, put forward an optional request either for \$250,000 one-time, of which the U of U would provide \$50,000 or \$200,000 on going to

incrementally build the system accelerate federal funding, the governor's staff was receptive and supportive, but clearly pointed out the necessity of one or more state agencies put forth the request as a prioritized budget request in order to have it considered in the governor's budget. My current strategy is to build a multi state agency partnership, as soon as I hear the message what I have to do effectively to get into the governors, we need to have individual state agencies put forward a prioritize request, it became apparent that this was going to require a lot of coalition building, my time frame moved from this year's budget cycle to a budget cycle one year from now. To-date, I have being involved in more than 20 meetings, promoting this real-time earthquake information system. Seismologist have traditionally in term of delivering information for emergency response and recovery have been to provide the size and location of an earthquake, technology now makes it possible to deliver in a pager broadcasting mode the size and location of an earthquake within several 10s of seconds of the on-set of the earthquake, put importantly to deliver maps of actual ground shaking, it's an optical reviews of other regions within five-seven minutes. But this requires an infrastructure of strong motion sensors and part of the, this strong motion sensors are three-fold, they serve immediate information for fast earthquake response, for earthquake engineering and earthquake science. This process will continue. He will give updates as appropriate. The division/departments that should submit request, DNR, dam Safety, UDOT, DFCM, DEQ, CEM, He has a list of those agencies that ought to be interested.

□ **1998 EARTHQUAKE SYMPOSIUM UPDATE**

Mike Stever, the 1998 Earthquake Symposium was held on September 22, 1998, at the Marriott. This year, there was a coalition between the Association of Contingency Planners and the Utah Seismic Safety Commission and the representatives of the committees, the Utah Chapter are private sector business recovery and contingency planners. 138 paid participants, 168 total participants. All of the presenters received excellent evaluations. Suggestion for future symposiums: a method to teach people how to develop training programs awareness for employees and executives, we have to get chief executive officers to buy into the effort, how to access our community resources. We reached the right kind of audience, highlight. Ann Becker, some of the suggestions also included for future symposium, the need and the desire for more information on emergency planning and how to develop a recovery plan, Emergency preparedness committee, perhaps next year symposium could be sponsored by that committee and could specifically address preparedness issues, we found that on all three of the conferences that we have had, there is a real interest in what can we do to plan an event. The second synergy is between our schools subcommittee and the engineering and architecture Standing Committee, some of the requests that came of these survey were for more information on identifying non structure mitigation, what are the non-structure issues that the schools have and what can they do about them? I believe that Sub committee was going to approach you all to see if

perhaps some of the engineers would be interested in donating their time and go around the schools that have an interest in it and walk through and identify the non-structure things that they would be able to fix.

Mike Stever reported that the Association of Contingency Planners and the Utah Seismic Safety Commission will present their Annual Earthquake Conference, "Earthquakes Mean Business--Symposium '98," on September 22, 1998, at the Marriott University Park Hotel, Salt Lake City.

□ PLANNING FOR MICROZONATION MAPS FOR EARTHQUAKE

Ivan Wong, Seismologist, he is the principal investigator of a multi agency/organizational research grant that we just received this summer, the participants are Woodward-Clyde Federal Services, the University of Utah Seismographic Stations, Utah Geological Survey, and Pacific Engineering Analysis. There will be a workshop today in the SOB at 1:00 p.m., purpose of the workshop is to introduce the project, a series of nine earthquake hazard maps for the Salt Lake City metropolitan area. The maps should be available in one year. They will be at microzonation scale, the maps will present earthquake ground shaking on a block by block basis for Salt Lake County. He is looking for is people's input into, they will be very valuable for the local agencies, urban planners, emergency preparedness, engineering committee. Anyone who interested in knowing what the level of ground shaking will be both in probabilistic sense and also for earthquake scenario on the Wasatch Fault. We want to present the map in a way that is very useful to potential users. They will be published by the Utah Geological Survey. Gary: one of the uses for these maps is we just got a grant to develop a geologic scenario, we can use these maps. To estimate losses.

□ 1998 WSSPC CONFERENCE

Their annual meetings are set up to look at policy issues that are defined by the board. At the last conference, policy issues were Earthquake insurance, national risk assessment building codes and disaster resistance communities (Project Impact), the things we saw. The National Earthquake Insurance, there are various proposals in congress for a national earthquake insurance program, disaster insurance program, it is worthwhile to keep an eye, make sure that it meets the needs that we look for at a state level. The National risk assessment this is in the strategic plan, it is one of our goals to do state risk assessment has kind of fallen because it is not a direct responsibility of any particular division. With the scenario information we will have we'll start developing estimated losses. Utah was #6, national risk assessment, total projected annual losses from earthquake state-by-state. Property loss Utah is #4. We come up in terms of earthquake risks, we come up fairly high. Building codes new issues related to steel framed buildings. The new international building

code is coming out in 2000. Presumed that Utah will be looking at adopting that. It deals with earthquake hazards a very different than the old uniform building code did.

Walter: Nevada earthquake safety council is quite active, invited Ron Lynn who is assistant director, Clark County Nevada Building Department to come to a future meeting to inform us what the Nevada Safety Council is doing, and also get some particular views from Ron of the importance of inspection and other aspects of quality construction on earthquake zones. One of the Safety Council, require each commission member to have a 72 hour kit. There was a presentation from the disaster recovery business alliance. A national organization that in many metropolitan is encouraging fostering the growth of this business alliances for asset management and multi hazard response. As an example of imaginative, an earthquake education there was a theater arts group that did, they went into Oregon's schools, over a multi month period produced commercials for TV, on earthquake danger, the children of the schools became the producers.

KSL's QUAKE ZONE PRODUCTION

Bob Carey reported that KSL aired a production last Friday (second time), half-hour update of the 1996, Quake Zone, they changed the scenario, show the aftermath of an earthquake, they talked to people in California and talk about their experience from Northridge, A copy of the video is available for any members of the Commission if they would like review it. Contact Bob. They can also be purchased from KSL for the price of \$10.

BUDGET REPORT

Barry Solomon introduced Ted? Madden, Public Affairs Officer for the Utah Geological Survey. Ted will now be preparing the quarterly newsletter and he would like any information you would like to put into this newsletter.

The Utah Seismic Safety Commission has an annual budget of \$4,500. It is granted through the Legislature and it is administered by Utah Geological Survey, that money pays for all of the expenses of the commission, the staff is provided by the state agencies (Comprehensive Emergency Management and the Utah Geological Survey, fiscal year runs from July 1 to June 30. Copy of budget report was distributed to all those attending the meeting.

OTHER BUSINESS

Randy Updike, USGS, has a strong program in earthquake hazards reduction, the past 25 years, we have had a long commitment to Utah in particular to the Salt Lake City metropolitan area, and that commitment continues and I think particularly to the Salt Lake

City metropolitan area, and that commitment continues and I think particularly the ? Project, we are funding six research projects here in Utah, by various entities. There is a shift in the USGS towards larger emphasis on urban earthquake hazards. Produces the national earthquake hazard maps, which are the basis for national seismic building codes, we are embarking now on a revised version of those maps, that revision will be completed in the year 2000, published 2001. He volunteered members of the team that produces the national maps that attend one of the future meetings and give this commission a status briefing and solicit input. Instrumentation of bridges of overpass. We have one particular project in Southern California, cooperation Cal-Trans where we are actually instrumenting a bridge to evaluate in real time as it forms during an earthquake with the idea, label it as bridge help. Actually see how the bridge is forming and without getting on the bridge be able to evaluate weather its safe. This kind of concept, if successful, might be something we might want to try here in Utah. Randy would like to work with UDOT in that concept.

□ USSCs ONE-YEAR GOALS

Question is there a restriction for appropriations from the legislature only, as a source of funding for commission activities? Have you explored industry sponsorship. Walter: Yes it is a possibility, no it hasn't been explored. It has been discussed. Lee: We have tried to raise funds for the annual earthquake conference with poor results. Ann Becker: The conference was mainly funded by the members of the Awareness and Education Committee shaking down their own companies for funds. We might not be interested in putting on an earthquake conference. It was recommended that maybe contributing members pay a minimal of possibly \$100 with two dozen sponsors or so.

Lee: We are making our progress is small incremental steps, the school committee and Engineering committee are going out and tacking small doable projects, and we are making that, we haven't made an update on our progress report but I was making up a list recently, there has been a number of significant small steps done through the state. The I-15 standards, building seismic considerations into the re-design of I-15, etc. I see a few small things coming up the next year, one is that FEMA will be releasing, in December, their analysis of their HAZUS nationwide. Their analysis says that Utah on average will have \$50 million dollars a year in damages due to earthquakes. Getting that information out to the public and the decision makers. We would like to work with FEMA when they release that and do a public release of that and follow up on it.

Lee: The ? Program, put out by the USGS in the external grants program keeps Utah at the lowest priority level or no priority level, and states that it has done that because of direction from congress, when speaking with the congressional budget people they say that it is not their desire or intent, that's carry over from language one year from ten years ago. We were

hoping to get that change in the budget this year, and it fell through the cracks. We will continue to do but I would like to move forward through the USGS and try to get that changed, and educate the budget people that congress does not intend for Utah to be kept at the bottom of the pile. Right now, for us to compete for funds, we generally have to match, put up 50% of the funds, and most other states (higher priority states) can get full funding, so I was hoping that would increase relatively the amount of funding, and the number of grants. The future of CEM is a big concern to us and to everyone here, with the change of directors recently, there was some talk of doing away with it, or down grading it, I'm very concerned that CEM remains at least at a division level and viable agency. It's importance can't be under estimated. We have already gone through our department and gotten message to the governor's office the message that CEM has to be maintained as a viable agency. That maybe something that this commission may recommend. Not only maintain it, but having input on whatever changes or growth of development in CEM. Earl: CEM it's not going away. Earl said he would be meeting with Senate Leadership on Tuesday, he's met with the office of planning and budget and the governor's office in the last couple of weeks, and the governor will be responding in the next week. There is some concern with match monies that are necessary for state and local assistance used to be that FEMA provided 100% of those funds, now they are only providing 50%-50% match, we are seeking about a quarter of a million dollars in match money from the legislature this year. The Department of Public Safety's recommendation and his regarding CEM to the governor's office, that it not be downsized, that it remain at least to the staffing level that it is now, can it be more effective? Yes, and there will be some changes in the next couple of weeks to reflect what legislative leadership has indicated would like to see in CEM. We are not going to lose people, we might re-direct people into different areas to put greater emphasis out into the field. Overall, you will see some positive things happening in the next few months. CEM is going to be a strong viable organization for years to come. His recommendation has been to stay at a division level instead of bureau level. That is ultimately the decision of the governor and the commissioner. Lee: Your budget request might be something that this commission either as a commission or individually could work to help support. Earl: Of the eight million dollars that comes into to CEM, 79% of it last year was passed through the locals. The reality is that most of the money that comes to us goes out to support the communities. CEM's push is to help educate the law makers to get that funding. The only reason it is set at \$223,000, what CEM is asking for, is because under the 2% cap that state government has within each particular department, and the priorities that are there on a department level, that was the only money available. Would congress give us through FEMA a match for \$500,000? Absolutely, for state and local assistance. They will give us up to 100% of what we have last year, which was close to \$500,000. Our \$223 would be matched \$223, but if we came up with \$500,000 they would give us \$1 million. There is no limit. Lee: If we have people who are doing things that are local assistance to local government, can we put up salary money? Earl: No, it has to be hard cash. The message that they are sending to the

states is self government. If programs are important to the state then they will come up with a match. If they don't come up with a match, then it's probably not that important to them. As a lobbying group, we would appreciate your help.

Jim Golden, Lifelines, we have gone through and looked how we could best present the importance of the lifelines in Utah and we came up with the strategy that we would like to develop the map. We would produce a map that the local governments can use, along the wasatch front, and make a presentation to the commission when the map is completed.

Proposed USSC Web page

Walter: Proposes that making a web page for the commission, a focus for information gathering and information communication to the public, in process of doing this, we gather in the information. Can the Seismic Safety Commission create a web page that would provide a focus and some coherence to everything that we do, in prior meeting we looked at the growth and development in the wasatch front area, how can we make a difference? We will never know if we made a difference unless we measure, assess now what the problems are. Not just the web page for the sake of having a web page, and having dead documents, but something really dynamic that is an outlet for each of the standing committees to aim for, such compiling statistics, contractors list, schools, etc. Identifying problems and putting forward solutions. Do this in a very effective overview. Take the resources we have, lever these resources, and link various agencies that can enhance their own web pages. Walter will come back at the next meeting with a more specific plan to move ahead, identify what kind of resources will be needed, where we could get the resources, overview plan for using the web page structure as a focus for going back to our charges, as a source of information. Ann Becker and Steve Bartlett are interested in participating.

Chris Kramer, CEM, PIO, made a presentation on the revised CEM web page. The web address is www.cem.state.ut.us.

MOTION: *Dr. Lee Allison made a motion: "The Utah Seismic Safety Commission urges the Governor to include in his fiscal year 2000 budget, funds requested by:*

- ◆ *Utah Division of Comprehensive Emergency Management - for matching federal funds for local assistance.*
- ◆ *Utah Geological Survey - for a one-time supplemental request to*

design and plan a real-time earthquake response system which would be implemented with federal funds; and

- ◆ *Utah Geological Survey for hiring a geologist to assist the state's school districts in inspecting and evaluating school sites for geologic hazards."*

Peter McDonough seconded the motion as presented. The motion was unanimously approved.

NEXT MEETING

DATE: **Friday, January 8, 1999**
TIME: **9:00 a. m. - 11:00 a.m.**
PLACE: **State Office Building #1112**
 Salt Lake City, Utah

ADJOURNMENT

The meeting adjourned at 11:10 a.m.