Mello Aff #1, par 13, ref 2: http://www.lanl.gov/orgs/cmrr/publicmeetings/proceedings.shtml

making decisions and, and continuing work is a manifestation of the, of the decision process, the pause for Complex Transformation, while things went on, and all those kind of things. Time is a big driver. And it manifests itself not just in the carrying costs, but because everything cost more the further you move out in time. So time is a pretty big component in that algorithm in terms of where cost comes from.

[RICHARD A. HOLMES]
Another source of cost in the job comes from implementation of the seismic requirements. And I think they are, they're getting pretty close to zeroing in, the deviations that we get now from these reports as the come out is much, much smaller than it used to be. We've done the big jump in, in response from the building as the ten year update is. We've made the building stiffer, increased the amount of concrete inside of the building. Ah, we will, I'm probably gonna jump down to the bottom [of the questions on the flip chart] here, we will replace the soil underneath the building. It is easier and more certain in terms of an activity as opposed to testing a jet grouting process and proving to everybody that the jet grouting works and would be the subject of the next twenty-two of these meetings that we would have.

[JONI ARENDS]
How much soil are you gonna replace?

[RICHARD A. HOLMES]
Um, I think it's on an order of magnitude of about 50 fifty feet. It's 225,000 cubic yards. So we will put in, we'll put in piers around the outer shell and then excavate out, and it goes down, it takes all that material away. So we go down to what is known to be stable, and I think it's an additional fifty feet beyond where the basemat is. Tom's [Whitacre] is nodding his head up and down, so I think I got that pretty close to right. So, if you take where the current road is, you bend by the site, that's where the current excavation is, we're gonna go another 75 or so feet below that, replace the material, build it up to where the basemat is, ten foot basemat, and then build the structure on top of that.

[JONI ARENDS]
Where is the 225,000 cubic yards of material gonna go?

[RICHARD A. HOLMES]
Some of that will become the cap for MDA-C. Some of that will support the cap down at Area G, depending upon, again, the quality of the fill and how much work it has to have. But there are plenty of users and needs to benefit the area from that material. So, those are the two places that have said, we needed, I think the timing's gonna work pretty well for MDA-C once they come up with a plan. 'Cause they don't have a full-up plan yet, but they've gotta agree to. But some of it go there, and then, if not, if they are not ready for it, it probably all can be consumed down for cap at Area G.

[UNIDENTIFIED PERSON]
[Inaudible words]