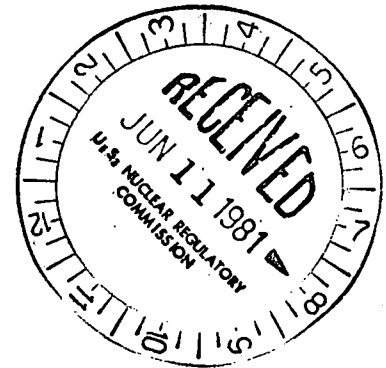




Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

June 8, 1981



Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Dresden 2
SEP Topic III-6, Seismic Considerations
NRC Docket 50-237

Dear Mr. Crutchfield:

In reference to Mr. Tom Cheng's request of May 14, 1981, attached are table of frequency comparisons and four floor resonance spectra. The information identified as URS/Blume was obtained from the 1980 Blume analysis performed in their review of the Reactor-Turbine Building junction. The information identified as LLL Analysis was obtained from the following two sources:

1. The frequencies, given in the table for the LLL analysis, were obtained by URS/Blume from a computer output of October 15, 1979 which was supplied by Tom Nelson of LLL to URS/Blume. This output contained the time-history analysis of the reactor-turbine building complex for the east-west component of ground motion. We do not have a specific identification number of the output from LLL.
2. The LLL floor response spectra, given in Figures B-4 through B-7 of the NRC Draft Report (Seismic Review of Dresden Nuclear Power Station - Unit 2 for the Systematic Evaluation Program, July, 1979) prepared by the Senior Seismic Review Team, and corresponding to the solid lines - i.e., those developed for revised LLL model with added stiffness at center at rigidity for 2% and 7% damping - were used to compare with the spectra developed by URS/Blume.

In addition, in response to Mr. Cheng's requests URS/John A. Blume has been authorized to make a North-South run of the computer model to obtain information on frequency shifts, instructure loads and spectra. It is currently anticipated Blume will submit their report to Edison in mid July. As a result, allowing for review time, we will submit the report to the staff by late July.

Please address any questions you may have concerning this matter to this office.

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D. M. Crutchfield

- 2 -

June 8, 1981

One (1) signed original and thirty-nine (39) copies of this transmittal have been provided for your use.

Very truly yours,



Thomas J. Rausch
Nuclear Licensing
Administrator
Boiling Water Reactors

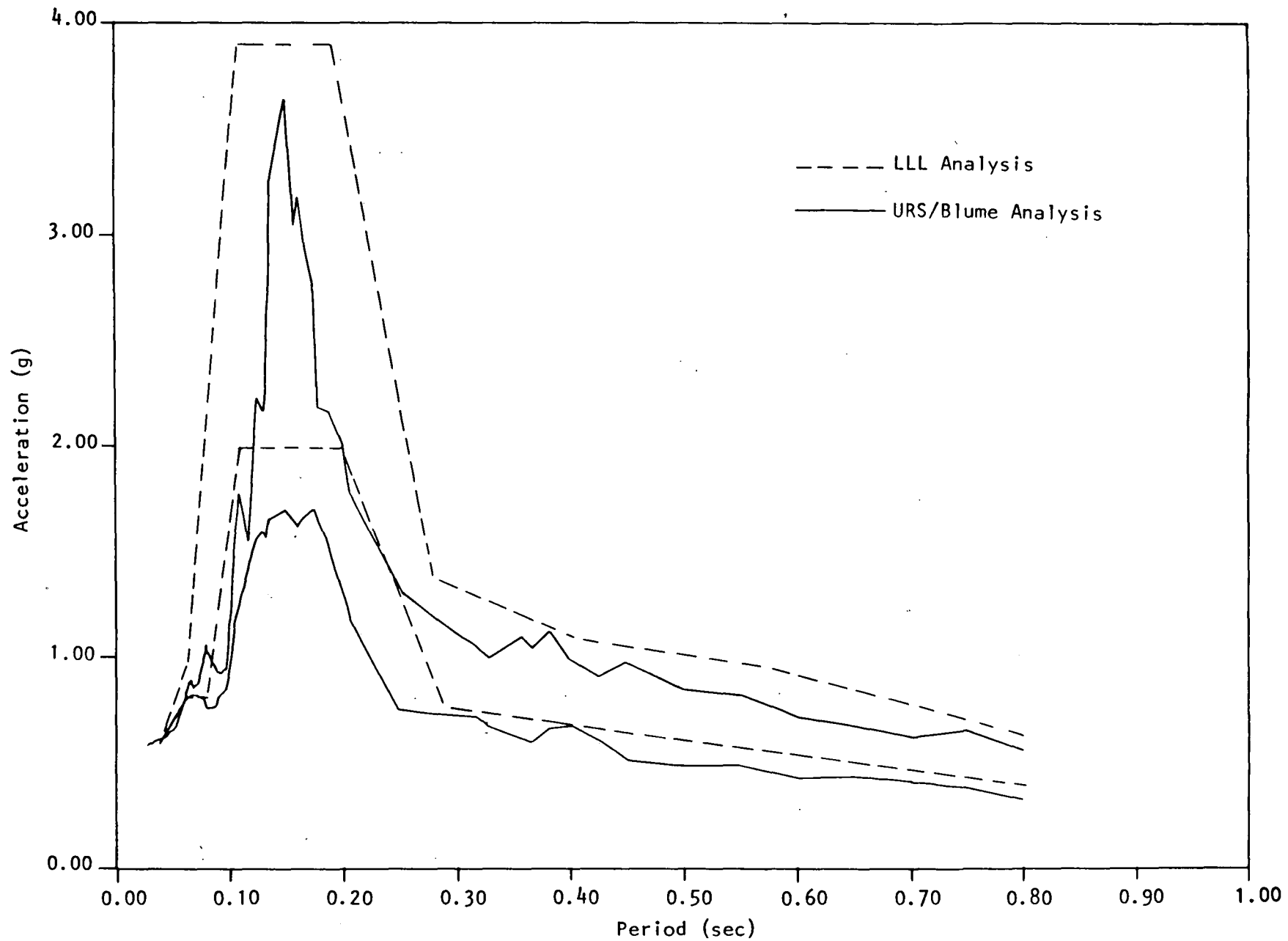
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cc: RIII Resident Inspector Dresden

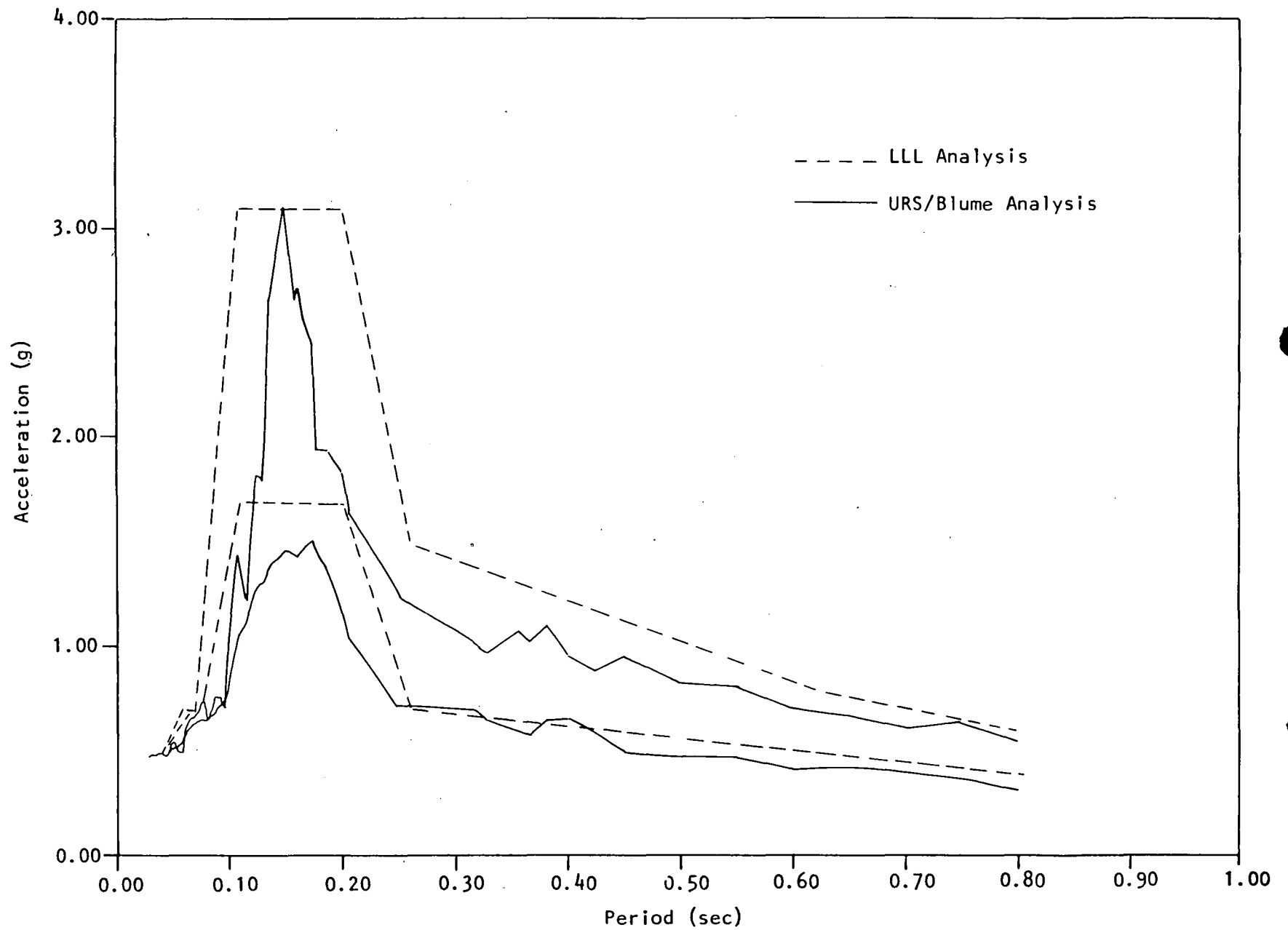
COMPARISON OF FREQUENCIES - LLL MODEL

Mode	Frequency, Hz (Period, sec)	
	1980 URS/Blume Analysis	LLL Analysis
1	2.359 (0.424)	2.556 (0.391)
2	2.619 (0.382)	2.966 (0.337)
3	2.735 (0.366)	2.974 (0.336)
4	3.993 (0.250)	4.411 (0.227)
5	4.988 (0.201)	5.046 (0.198)
6	6.216 (0.161)	5.920 (0.169)
7	6.670 (0.150)	6.862 (0.146)
8	7.329 (0.136)	7.396 (0.135)
9	8.516 (0.117)	8.608 (0.116)
10	13.090 (0.076)	13.140 (0.076)
11	14.150 (0.071)	13.420 (0.075)
12	15.100 (0.066)	15.470 (0.065)
13	16.380 (0.061)	16.730 (0.060)
14	16.660 (0.060)	17.830 (0.056)
15	17.880 (0.056)	18.560 (0.054)
16	18.650 (0.054)	20.020 (0.050)
17	21.000 (0.048)	20.930 (0.048)
18	25.570 (0.039)	27.560 (0.036)
19	26.800 (0.037)	29.350 (0.034)
20	27.820 (0.036)	29.440 (0.034)

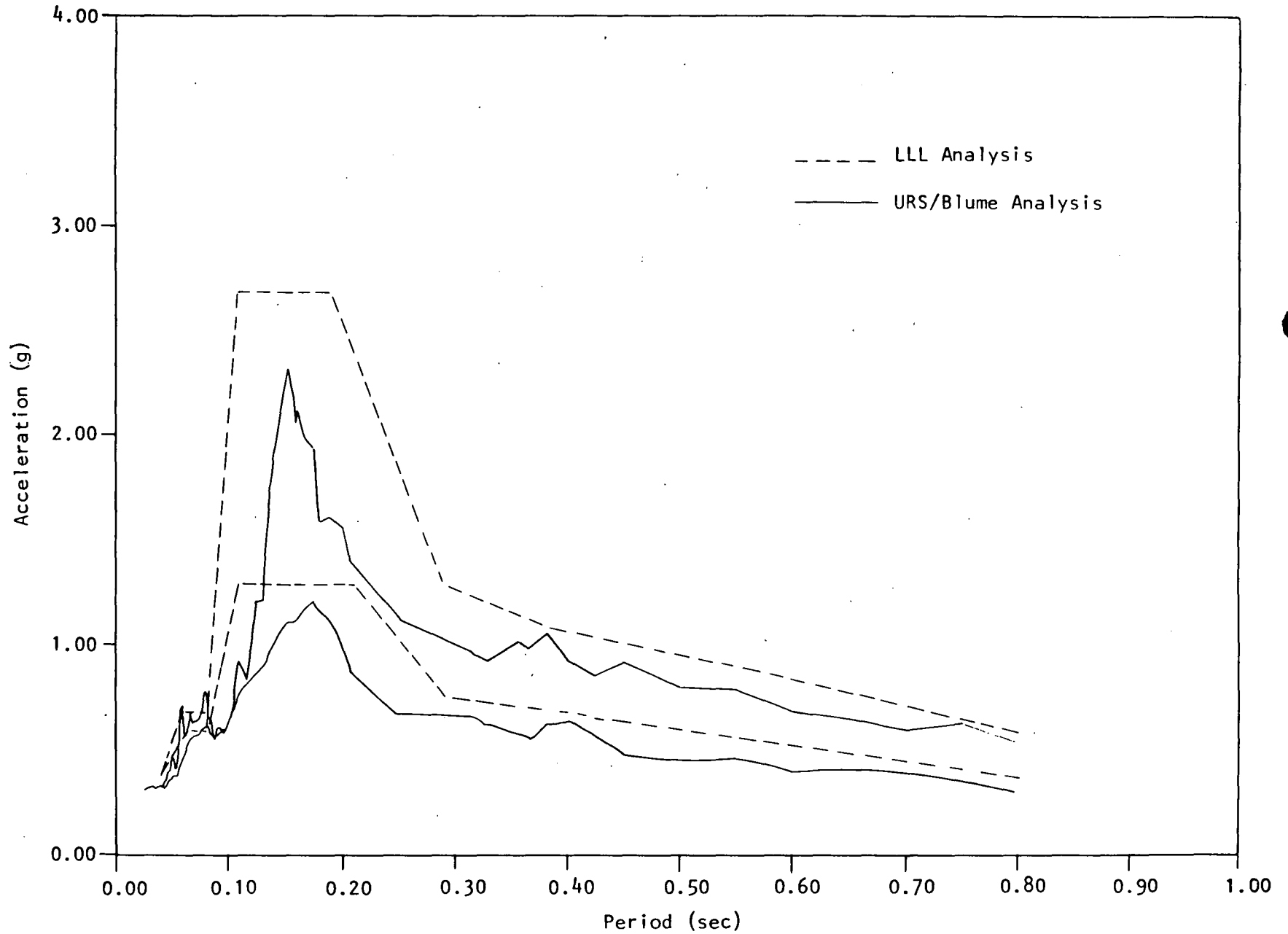
NOTE: Structural parameters used in the 1980 URS/Blume analysis were calculated using current methodology and as-built drawings.



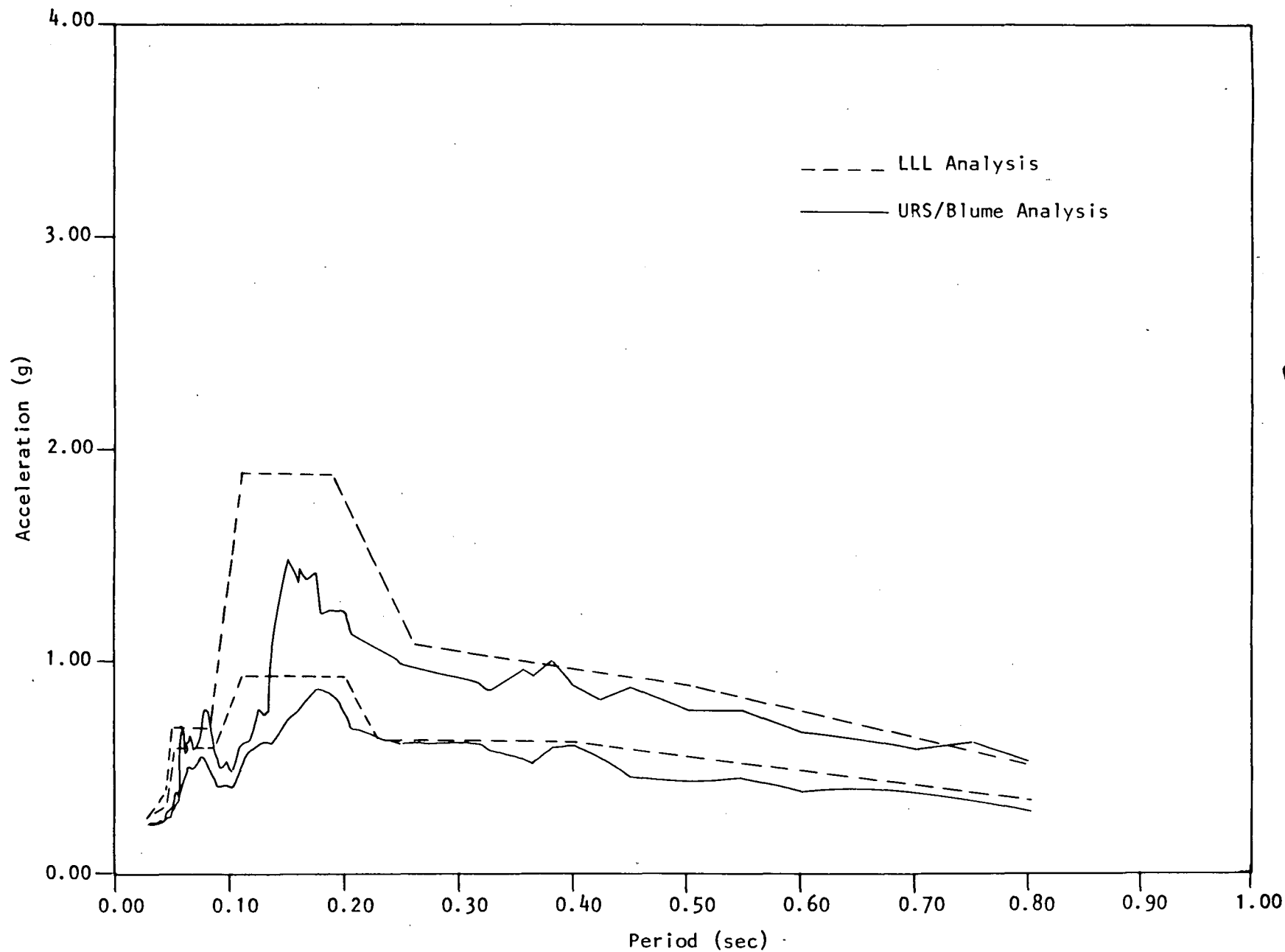
COMPARISON OF FLOOR RESPONSE SPECTRA FOR 2% AND 7% EQUIPMENT DAMPINGS, REACTOR BUILDING, NODE 5, EL. 589 FT



COMPARISON OF FLOOR RESPONSE SPECTRA FOR 2% and 7% EQUIPMENT DAMPINGS, REACTOR BUILDING, NODE 6, EL. 570 FT



COMPARISON OF FLOOR RESPONSE SPECTRA FOR 2% AND 7% EQUIPMENT DAMPINGS, REACTOR BUILDING, NODE 7, EL. 545 FT 6 IN.



COMPARISON OF FLOOR RESPONSE SPECTRA FOR 2% AND 7% EQUIPMENT DAMPINGS, REACTOR BUILDING, NODE 8, EL. 517 FT 6 IN.