

# USGS Design Maps Summary Report

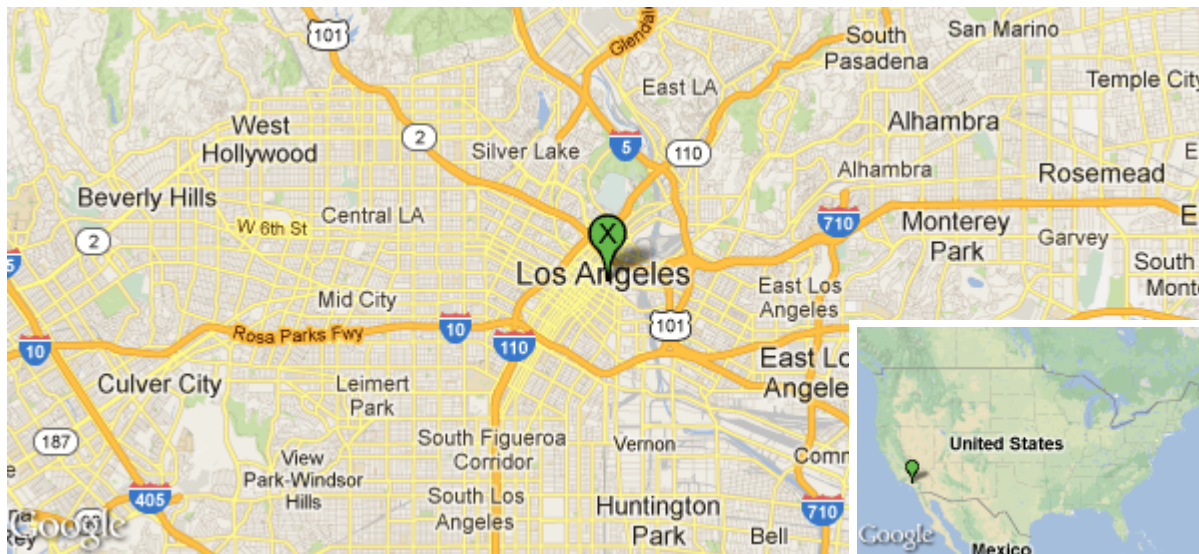
## User-Specified Input

**Building Code Reference Document** 2012 International Building Code  
(which makes use of 2008 USGS hazard data)

**Site Coordinates** 34.05008°N, 118.24225°W

**Site Soil Classification** Site Class C – “Very Dense Soil and Soft Rock”

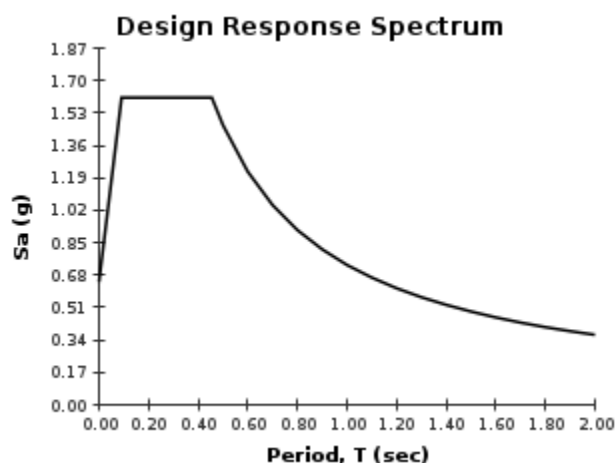
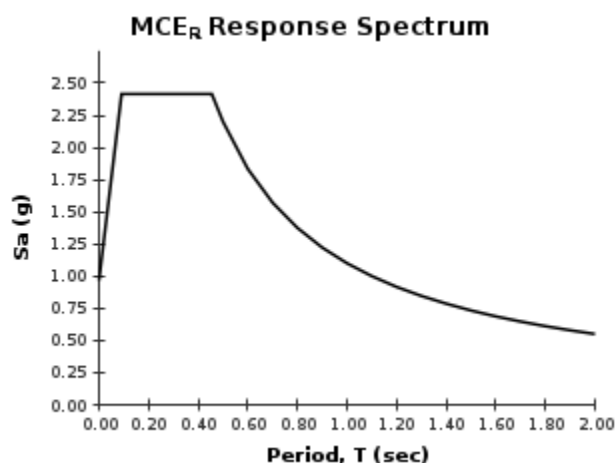
**Risk Category** I/II/III



## USGS–Provided Output

$S_s = 2.415 \text{ g}$	$S_{MS} = 2.415 \text{ g}$	$S_{DS} = 1.610 \text{ g}$
$S_1 = 0.846 \text{ g}$	$S_{M1} = 1.100 \text{ g}$	$S_{D1} = 0.733 \text{ g}$

For information on how the  $S_s$  and  $S_1$  values above have been calculated from probabilistic (risk-targeted) and deterministic ground motions in the direction of maximum horizontal response, please return to the application and select the “2009 NEHRP” building code reference document.



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