

USGS Design Maps Summary Report

User-Specified Input

Report Title Test

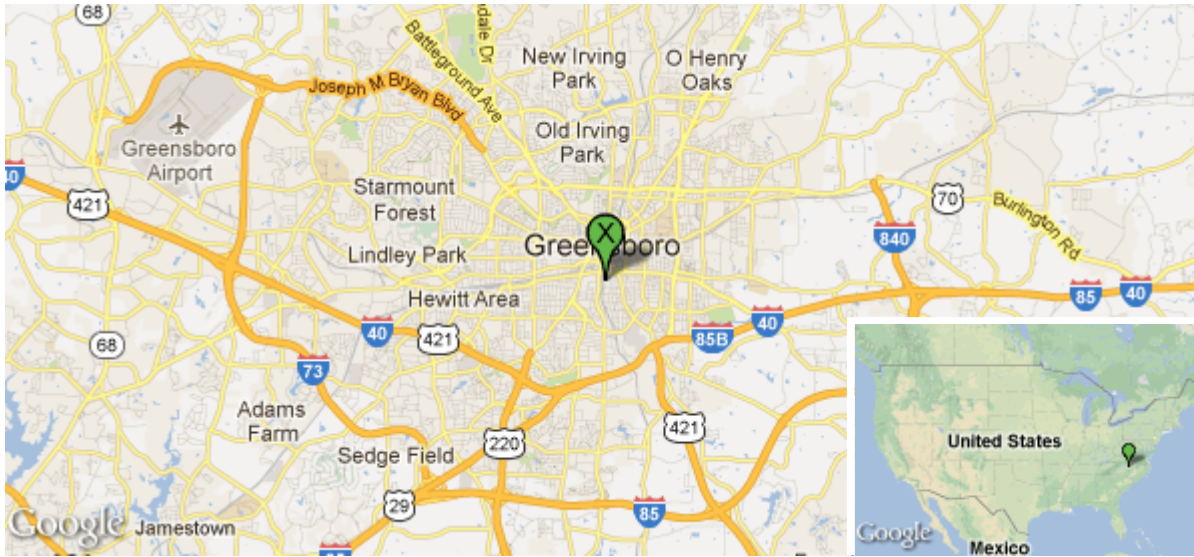
Mon December 17, 2012 18:45:05 UTC

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

Site Coordinates 36.06278°N, 79.79101°W

Site Soil Classification Site Class D – “Stiff Soil”

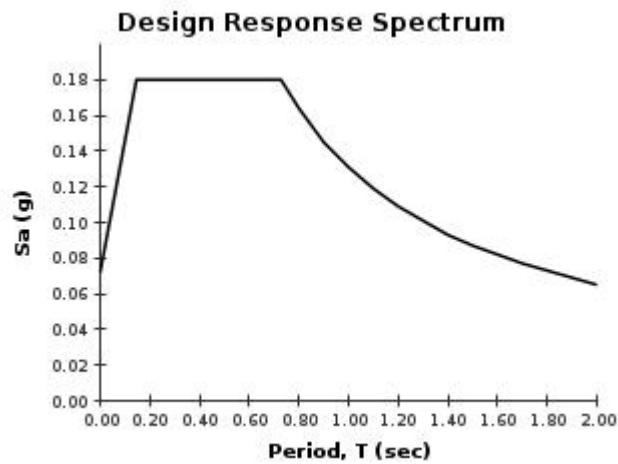
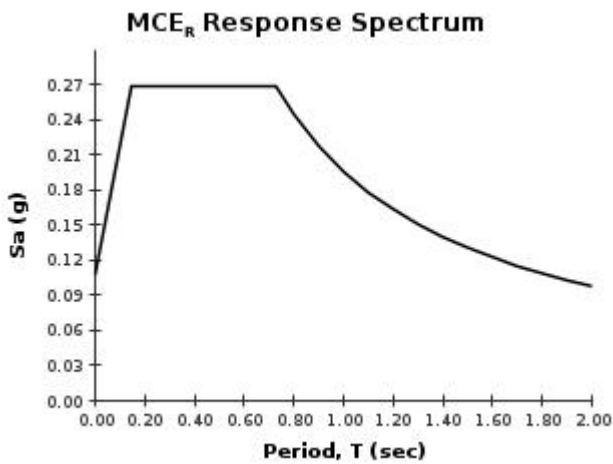
Risk Category I/II/III



USGS-Provided Output

| | | |
|-------------------------|----------------------------|----------------------------|
| $S_s = 0.168 \text{ g}$ | $S_{MS} = 0.269 \text{ g}$ | $S_{DS} = 0.180 \text{ g}$ |
| $S_1 = 0.082 \text{ g}$ | $S_{M1} = 0.196 \text{ g}$ | $S_{D1} = 0.131 \text{ g}$ |

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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