

List of Tables

Table 2a-1. SPT Normalization and Correction Factors.....	77
Table 5-1. Liquefaction case histories.....	146
Table 5-2a. Cyclic Triaxial Laboratory Test Data: Monterey Sand – Silt Mixtures.....	169
Table 5-2b. Cyclic Triaxial Laboratory Test Data: Yatesville Sand – Silt Mixtures.....	172
Table 6-1. Amplification Ratios (F_a) as a Function of the Site Class and Mapped Short Period Maximum Considered Earthquake Spectral Acceleration (S_s).....	204
Table 6-2a. T_{max} and P values for UHS for WUS cities.....	215
Table 6-2b. T_{max} and P values for UHS for CEUS cities.....	215
Table 6-3. Combinations of P and T_{max} selected to represent the UHS for the CEUS and WUS.....	216
Table 6-4a. α , β , and γ coefficients for the Response Ratio for WUS.....	221
Table 6-4b. α , β , and γ coefficients for the Response Ratio for CEUS.....	221
Table 7-1. Approaches to increasing <i>Capacity</i> and decreasing <i>Demand</i>	234
Table 7-2. Specifications of commonly used vibrators.....	245
Table 7-3. Published values for n	274
Table 7-4. Applied energy guidelines for densifying various soils. See Figure 7-29 for the definitions of the soil Zones.....	276
Table 7-5. Equipment requirements for different size tampers.....	278
Table 8-1. Geometric damping coefficients.....	315
Table 8-2. Proposed Classification of Earth Materials by Attenuation Coefficient.....	316

Table 8-3. Coefficients for blast attenuation expression.....	356
Table 8-4. Higher order models for remedial ground densification.....	362