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|---|---|---|
| C | = | Cohesive intercept: Component of soil shear strength which is independent of the force pushing the particles together. |
| E | = | Modulus of elasticity (psi) |
| GW | = | Ground water surface |
| I | = | Moment of inertial ($in^4$) |
| $K_a$ | = | Lateral earth pressure coefficient for active pressure condition |
| $K_o$ | = | Lateral earth pressure coefficient for at-rest condition |
| $K_p$ | = | Lateral earth pressure coefficient for passive pressure condition |
| $K_w$ | = | Equivalent fluid soil pressure (pcf) |
| $K_{ph}$ | = | Horizontal component of lateral earth pressure coefficient for passive pressure condition |
| $K_{pv}$ | = | Vertical component of lateral earth pressure coefficient for passive pressure condition |
| N | = | Standard penetration resistance |
| $N_c$ | = | Bearing capacity factor |
| $N_0$ | = | Stability number |
| Q | = | Level surcharge loading (pcf) |
| qu | = | Unconfined compressive strength (psf) |
| S | = | Section Modules ($in^3$) |
| Sb | = | Bond Strength (psf) frictional force between soil and tieback anchor |
| SF | = | Safety Factor |
| SU | = | Undrained shear strength |
| $\alpha$ - Alpha | = | Angle from vertical to center of surcharge strip |
| $\beta$ - Beta | = | Angle of soil slope |
| $\gamma$ - Gamma | = | Unit Weight of soil (pcf) |
| $\delta$ - Delta | = | Wall friction angle |
| $\varepsilon$ - Epsilon | = | Linear strain |
| $\theta$ - Theta | = | Angle of repose |
| $\mu$ - Mu | = | Angle of tieback with horizontal |
| $\rho$ - Rho | = | Degree of flexibility of an anchored bulkhead (Rowe's Moment Reduction theory) |
| $\sigma$ - Sigma | = | Normal stress |
| $\Sigma$ - Sigma | = | Sum |
| $\tau$ - Tau | = | Soil shear stress |
| $\upsilon$ - Upsilon | = | Poisson's ratio |
| $\phi$ - Phi | = | Angle of internal friction of soil |
| $\psi$ - Psi | = | Failure wedge or slip angle |
| $\omega$ - Omega | = | Angle of the wall with respect to vertical |
| FHWA | = | Federal Highway Administration |
| AREA | = | American Railway Engineering Association |
| AREMA | = | American Railway Engineering and Maintenance-of-Way Association |
| Cal-OSHA | = | California Occupational Safety and Health Administration |