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LIST OF ABBREVIATION

C	= Cohesi
Ca	= Drainage coefficient
CBR	= California bearing ratio
Cd	= Drainage coefficient
GI	= Group index
Gs	= Specific Gravity
G_r	= Traffic growth
D_D	= Directional distribution factor
D_L	= Line distribution factor
E_c	= Concrete elastic modulus
LL	= Liquid limit
μ	= Convidence interval
σ	= Standart deviation
ϕ	= Direct shear
J	= Load transfer coefficient
k (pci)	= Increase the modulus of subgrade reaction
PL	= Plastic limit
PI	= Plasticity index
R	= Coefisien of correlation
R^2	= Coefisien of determination

- SL = Shrinkage limit
- S = Development potential
- S_0 = Overall standard deviation
- SN = Structural number
- M_R = Effective resilient modulus of roadbed material
- VDF = Value damage factor
- W_{18} = Estimated futur traffic for the performance periode
- W_w = Weight of water
- W_s = Soil particle size
- W_{opt} = Optimum water content
- W = Water content
- γ_s = Weight volume of solid granules
- γ_w = Weight volume of water
- γ_d = Dry density
- γ_b = Wet
- $\alpha_{1,2,3}$ = Layer coefficients representative of surface, base, and subbase courses respectively
- $D_{1,2,3}$ = Actual thicknesses (in inches) of surface, base and subbase courses, respectively
- $m_{1,2,3}$ = Drainage coefficients for base and subbase layers, respectively
- $\Delta PSI_{Po - Pt}$ = Design serviceability loss

Δ PSISW = Graph of cumulative environmental serviceability loss versus time

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