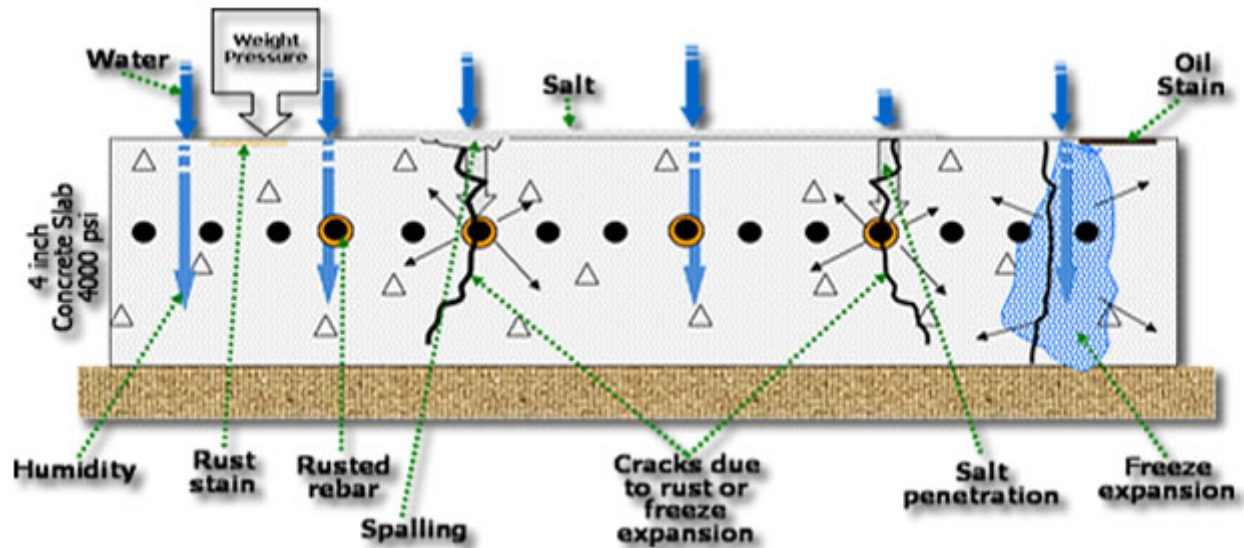


# HOW UNTREATED CONCRETE AGES



Anatomy of how concrete ages with time when not maintain properly

1. Water from rain or from the ground is absorbed into the concrete. (Water absorption is a natural function of concrete)
2. When water reaches the rebar, it creates rust (Rust by nature expands, cracking the concrete)
3. On cold days the water freezes and expands creating hairline cracks allowing more water penetration.
4. Small hairline cracks also other contaminants that are destructive into the concrete accelerating damage internally.
5. Spalling holes on the surface of the concrete are a result of contaminants.
6. Oil stains penetrate the concrete due to the porosity of the concrete creating oil stains that grow in size.
7. Rust stains change the composition of the concrete and become part of the concrete
8. Heavy cars or objects also damage the concrete
9. Wet soft ground below the concrete allows settling and uneven concrete surfaces

