



## **Increasing of Mechanical Parameters of Clay soil Using Calcium Chloride**

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Research on roads to increase the resistance of weak soils to build structures on it has been increased in recent years. The present article provide the effects of different mixtures containing calcium chloride solution and clay soil on mechanical parameters such as, compressibility, compressive strength, shear strength and durability characteristic. In this study also is investigated evaluation the effect of road subgrade based on proposed material. The used clay soil in this research was obtained from zanzan city where is located in northwestern of Iran. The obtained results show that the calcium chloride solution could play a major role in reducing the cost and required time for building roads and also building foundation on these types of soils.