Highway transportation is supported with several technologies to decrease risk factors and to obtain secure drive. With improved software and hardware smartphone technology is able to monitor the useful information from information network and especially it helps to maintain and control better traffic management for ITS. In this study accession systems to electronic control unit are examined and also access procedure to vehicle status via onboard diagnostic (OBD) also demonstrated. Additionally vehicle and environment information evaluation and prevention of accident risks with smartphone technology are also indicated.

**Keywords** - Intelligent Transportation Systems, Smartphone, OBD-II, Driver Information, Traffic