**Q1/Define transportation systems?**

**Q2/Classify transportation systems?**

**Q3/A vehicle approaches an intersection at 30mph.At time t=0 it begins to decelerate at *d*=16ft/s2.**

**Calculate the time it would take the vehicle to stop. Given that at the beginning of deceleration**

**was located 55ft away from the stopping line, determine whether it was able to stop legally?**