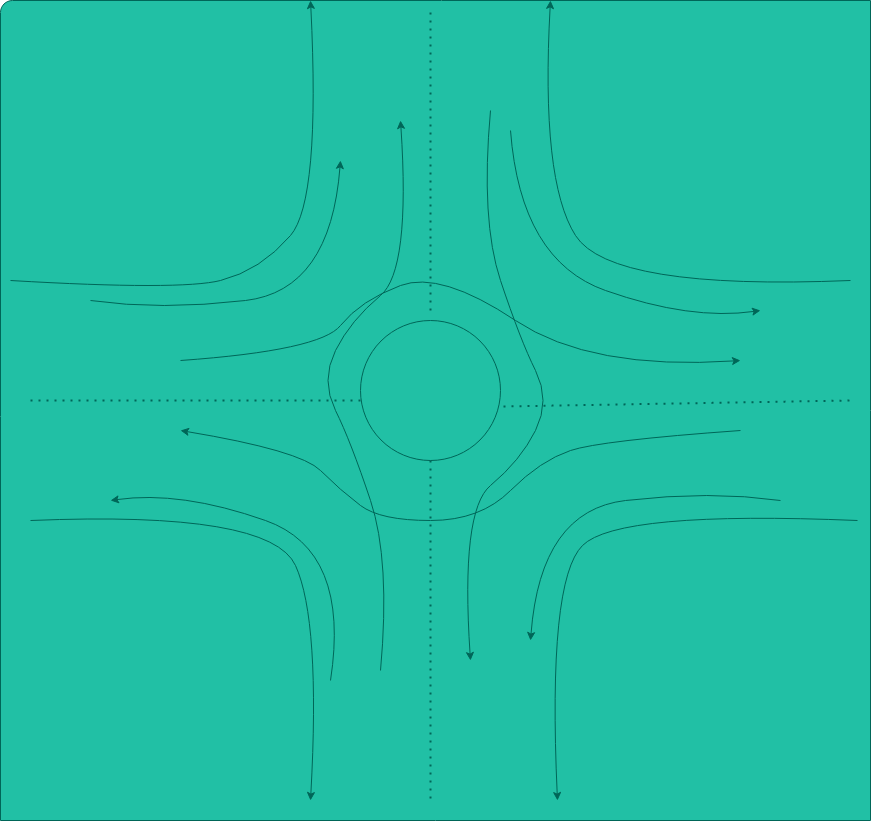
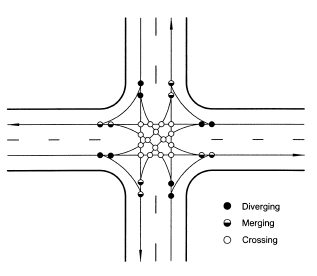
***Design thinking Assignment***

* The above system is design base on assumption that the road intersection is for 1 lane flow and 2 roads are meet at perpendicular intersection. Given that there will be medium traffic flow at the intersection throughout the day
* Circle at the centre represents a solid thing which will force driver to move through left of it.
* We can install security cameras, speed cameras, traffic signal, traffic controller booth in the circle so that it all will be safe to accidents.
* We can arrange a footpath and separate lane for bike and cyclist. Bus stop can be established at 100 m away from the intersection so that there will not be any conjunction.
* This system reduces the accidents by 3 times less. In normal intersection there are 24 intersection points identified as shown in fig. below.(fig taken from internet)



* The design reduces these 24 points to 8 points and thus the accidents are less likely to occur.
* Considering accident happens, the impact with not be at straight angle but in an inclination angle which can save life.
* Design a curve also reduces the speed of vehicle so that the impact may be not life threatening.
* In future other modifications can also be made like designing an underpass for pedestrians, giving separate lane for bikes cyclist and cars. Installing bumpers etc.
* If the roads need to be increase then, flyover system or cloverleaf intersection system can also be implemented which will avoid most of the traffic jams and accidents.