

Road Junctions

When two or more streets cross at grade. It includes modes of travel; pedestrian means bicycle, motor vehicles, transit.

Road Junctions are designed at places where vehicular traffic can move in different directions in a systematic way. Road Junctions decrease the probability of accidents. The traffic at Road junctions is controlled and resumed in a systematic way to proceed further in their respective directions with the help of traffic signals.

On the basis of the shape of the Road Junctions, they are named as:

- T-Junction
- Staggered Junction
- Roundabout

T-junction

A T-junction has three arms of which one arm is a main road whereas the other one is usually a minor road connecting the main road. The roads of a T-junction meet at right angles and are preferably used for convenience.

Staggered Junction

A staggered junction is a place where several roads meet a main road at a slight distance apart thus they do not all come together at the same point.

Major single-point traffic-light controlled junctions of more than two roads are often reconfigured into staggered junctions in order to increase traffic flow through them.

Roundabout

A roundabout is a type of circular intersection or junction in which road traffic is slowed and flows almost continuously in one direction around a central island to several exits onto the various intersecting roads.