

CHANNELIZATION

In modern highway practice,

- Color and surface texture differences in pavement,
- Pavement markings (striping),
- Curbing,
- Raised islands,
- Guard rails and fences

are widely used to direct or control traffic and pedestrian movements.

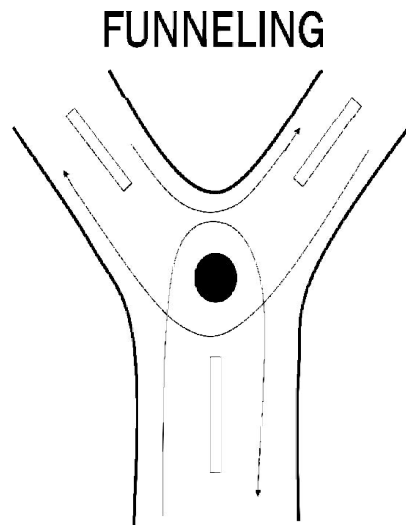
These channelizing devices, when installed in conjunction with relevant National Highway Code procedures, considerably

- Increase intersection capacity,
- Improve traffic flow conditions and
- Decrease vehicular and pedestrian accidents.

Also appropriate channelizing devices are included as an integral part of any new intersection/ interchange.

Some of the important purposes of channelization are enumerated below;

- ① By channelizing, vehicles can be confined to definite paths. When drivers or pedestrians have free choice of routes through large paved intersections, their actions cannot be rightly predicted by others. Channelization helps drivers in reaching the proper decision in a shorter period of time there by reducing severe accidents.



- ◎ In selecting channelizing devices, the designer must weigh such factors as the;
 - Space required for installation,
 - Its cost,
 - Aesthetics,
 - Traffic volume and speeds,
 - The seriousness of accidents that may result from vehicles entering the prohibited area, etc.
 - Raised islands bounded by curbs are particularly important channelizing devices. In many situations, high visibility is a key requirement for curbings.

- ◎ Guard rail or New Jersey barrier provides a positive mean of confining vehicles to designated roadways. But vehicles striking them may suffer serious damage- so that installations, if made, should be at some distance from the travelling way.

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