

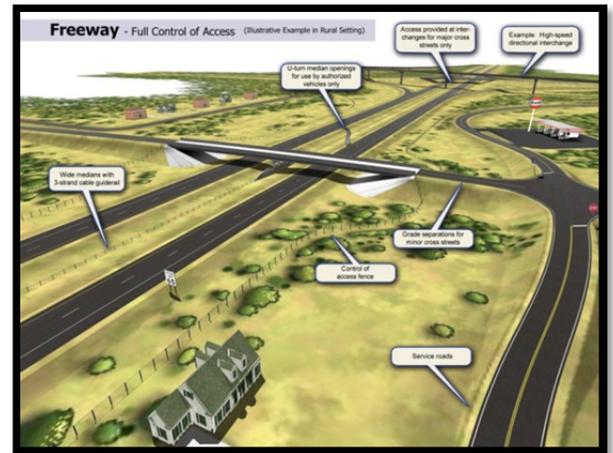
# ESH Land Use and Access Management FWG Handout #1



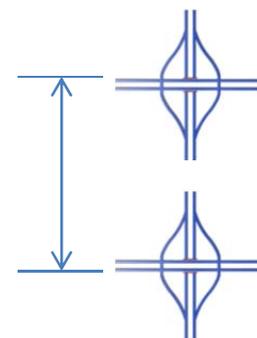
## Term                      Design Considerations

**Freeway**                      A freeway is a full access control roadway. Design criteria include:

- free-flow of traffic
- no traffic signals, intersections, or direct property access
- minor roads and railroads cross via overpass or underpass
- interchanges at major intersecting roads provide access to the freeway

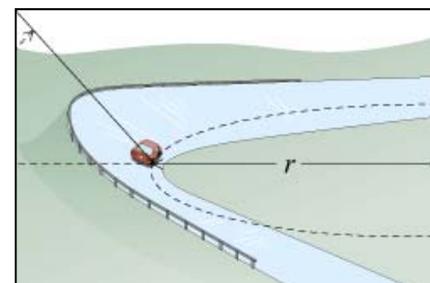


**Interchange Spacing**                      Distance between interchanges is based on criteria established by IDOT and depends on facility type, safety, and design speed.



**Design Speed**                      The maximum speed that a vehicle can safely operate under optimum driving conditions. Design speed is not the same as posted speed. The posted speed of a roadway is typically lower than the design speed.

**Radius**                      A geometric measurement pertaining to curves. The higher the design speed of a roadway, the larger the radius is needed to safely maneuver around a curve.



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## Collector – Distributor System (C-D System)

An additional roadway parallel to but separated from the freeway by a barrier. The C-D system provides the ability for vehicles to enter and exit a freeway in a safer manner.



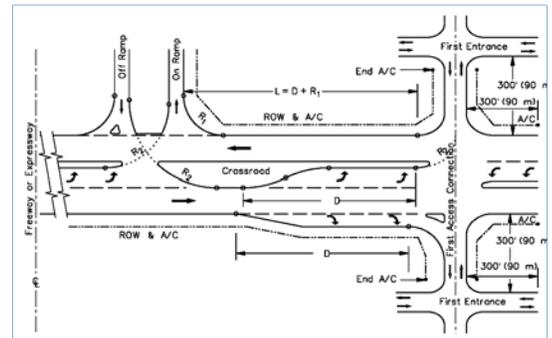
## Auxiliary Lane

A non-continuous lane added to the freeway to allow vehicles to enter and exit the freeway in a safer manner. Auxiliary lanes serve the same purpose as C-D systems without the use of barriers.



## Access Limit

The distance between interchange ramps and the first point of access on the crossroad for driveways or intersections. This distance is based on criteria established by IDOT that promotes safety and efficiency of moving vehicles.



## Frontage or Service Road

A non-limited access road running parallel to the freeway. Designed to give access to properties that do not have direct access to the freeway.



## Comprehensive Plan

A document that outlines goals in terms of community development, usually over a long range horizon. Once adopted, the Comprehensive Plan presents a guide for planned growth including transportation, land use, community facilities and services.