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**LEED ND: Plan | v4 - LEED v4**

## Connected and open community

### Required

1 result in All .

#### Intent

To promote projects that have high levels of internal connectivity and are well connected to the community at large. To encourage development within existing communities that promote transportation efficiency through multimodal transportation. To improve public health by encouraging daily physical activity.

#### Requirements

Meet the requirements of Case 1 if the project has no [circulation network](#) intersections within the project boundary and is five acres or less in size. All other projects must meet Case 2.

##### Case 1. Surrounding connectivity

Locate the project such that the connectivity within ¼ mile (400 meters) of the project boundary is at least 90 intersections per square mile (35 intersections per square kilometer). Any part of the [circulation network](#) that is counted toward the connectivity requirement must be available for general public use and not gated. Gated areas are not considered available for public use, with the exception of education and health care campuses and military bases where gates are used for security purposes.

Additionally, any circulation network within the project must be available for general public use and not gated.

##### Case 2. Internal connectivity

Design and build the project such that its internal connectivity is at least 140 intersections per square mile (54 intersections per square kilometer).

Any part of the [circulation network](#) counted toward the connectivity requirement must be available for general public use at all times and not gated. Additionally, no more than 10% of the project area may be accessed via circulation network that is gated. Education campuses, health care campuses, and military bases where gates are used for security purposes are exempt from the 10% limit, and intersections within those projects may be counted toward the connectivity requirement.

Design and build the project with at least one through-connection (of the circulation network) intersecting or terminating at the project boundary at least every 800 feet (245 meters), or at existing abutting intervals and intersections of the circulation network, whichever is the shorter distance. These requirements do not apply to portions of the boundary where connections cannot be made because of physical obstacles, such as prior platting of property, construction of existing buildings or other barriers, slopes steeper than 15%, wetlands and water bodies, railroad and utility rights-of-way, existing limited-access motor vehicle rights-of-way, and parks and dedicated open space.