

PD-24: Permeable Pavement

1-2 points

Goal: Improve flow control and quality of stormwater runoff through use of permeable pavement technologies.

Sustainability Linkage

Permeable pavements primarily have environmental benefits to the natural and built environment.



Background and Scoring Requirements

Background

Using permeable pavement is a low-impact development technique that can be used as part of a roadway stormwater management plan.

For the purposes of this criterion, the key terms are defined as follows:

- **“Permeable,” “porous” or “pervious”** are used interchangeably to describe a pavement structural system that has more voids than a conventional paved surface such as concrete or asphalt. As a result, both infiltration and evaporation are allowed as water passes through the pavement section.
- **“Permeable pavements”** include, but are not limited to, porous asphalt pavement, pervious concrete pavement, or permeable block pavers.
- **“Secondary pavement areas”** shall include all pavements that are not intended for high speed traffic or heavy trucks. Appropriate uses would include parking lots, alleys, access roadways, sidewalks, bike lanes, multi-use paths, and shoulders. However shoulders planned for future trafficked uses through widening should be excluded (for example, shoulders to become mainline lanes or shoulders used for shoulder-running buses).

Scoring Requirements

Prerequisite PD-24.1P

0 points. Include Maintenance Plan

The project must include a maintenance plan for permeable pavements (or a design memo justifying why one is not necessary).

Prerequisite PD-24.2P

0 points. Exclude Sanded and Sealed Areas

Permeable pavements must not be placed in areas where sand may be used for snow and ice control or where the pavement will be sealed (during project or in the future).

Requirement PD-24.1

1-2 points. Permeable Pavement

One of the following scores may apply:

- **1 point.** Use permeable pavement to treat at least 50% of the secondary pavement areas on the project.
- **2 points.** Use permeable pavement to treat at least 75% of the secondary pavement areas on the project.

Resources

None referenced.

Scoring Sources

The project is considered to have met this criterion if the requirements above can be reasonably substantiated through the existence of one or more of the following documentation sources (or equal where not available):

1. Contract documents.
2. Technical memoranda or reports.