

# Flood Gates

## What are Flood Gates?

Flood gates are adjustable gates typically used in combination with a floodwall or levee to protect an opening through the flood protection barrier for vehicular access during dry weather conditions.

They can also be used to protect pedestrian and vehicular entrances into buildings.

There are several different proprietary systems that automatically raise the flood gates and create a watertight barrier once floodwater reaches the gate location.

## Where can they be installed?

Flood gates are used in combination with flood walls or other permanent barrier systems. They are used in locations that must remain open for pedestrian and vehicular access during dry conditions but can be closed during a flood event.

## What else should you know about Flood Gates?

This technique cannot be used where there may be a need for passenger or emergency services vehicles to access the site in flooding conditions.

The permanent flood barrier system in which the flood gate is installed must be structurally sound and withstand the force of water at the high water level.

Refer to the Floodwalls fact sheet for other limitations regarding storm drainage and off-site flood impacts.

## Cost Range

Costs for flood gates vary significantly based on the width of the opening and depth of protection required, but range from \$7,500 to \$10,000 per m<sup>2</sup> of gate area.

## What type of protection do they provide?

Flood gates provide Passive Dry Protection.



Flood gate operating during flooding conditions (source: [floodbreak.com](http://floodbreak.com))