

## You Can Help

Oshkosh residents and homeowners can help improve the City's stormwater management in the following ways:

- ✓ Direct roof downspouts to grassy areas away from driveways and sidewalks
- ✓ Pick up pet waste and dispose of it in the trash or flush down toilet
- ✓ Build a rain garden or install a rain barrel
- ✓ Wash cars on lawns where the water can soak in or use a car wash
- ✓ Direct sump pump discharge to lawn if possible
- ✓ Keep grass clippings out of the street
- ✓ Test your soil for fertilizer needs and only apply what is needed
- ✓ Do not use storm drains for dumping anything



## Continuous Improvement

The City of Oshkosh is working to protect its infrastructure, businesses and homes from damage due to flooding. It is also improving the water quality of the nearby lakes and rivers so that its citizens may boat, fish, swim and enjoy cleaner water.

For ways citizens can help improve stormwater management and for additional information on the city's stormwater utility please visit our websites at : [http://www.ci.oshkosh.wi.us/Public\\_Works/Storm\\_Water\\_Utility/](http://www.ci.oshkosh.wi.us/Public_Works/Storm_Water_Utility/)



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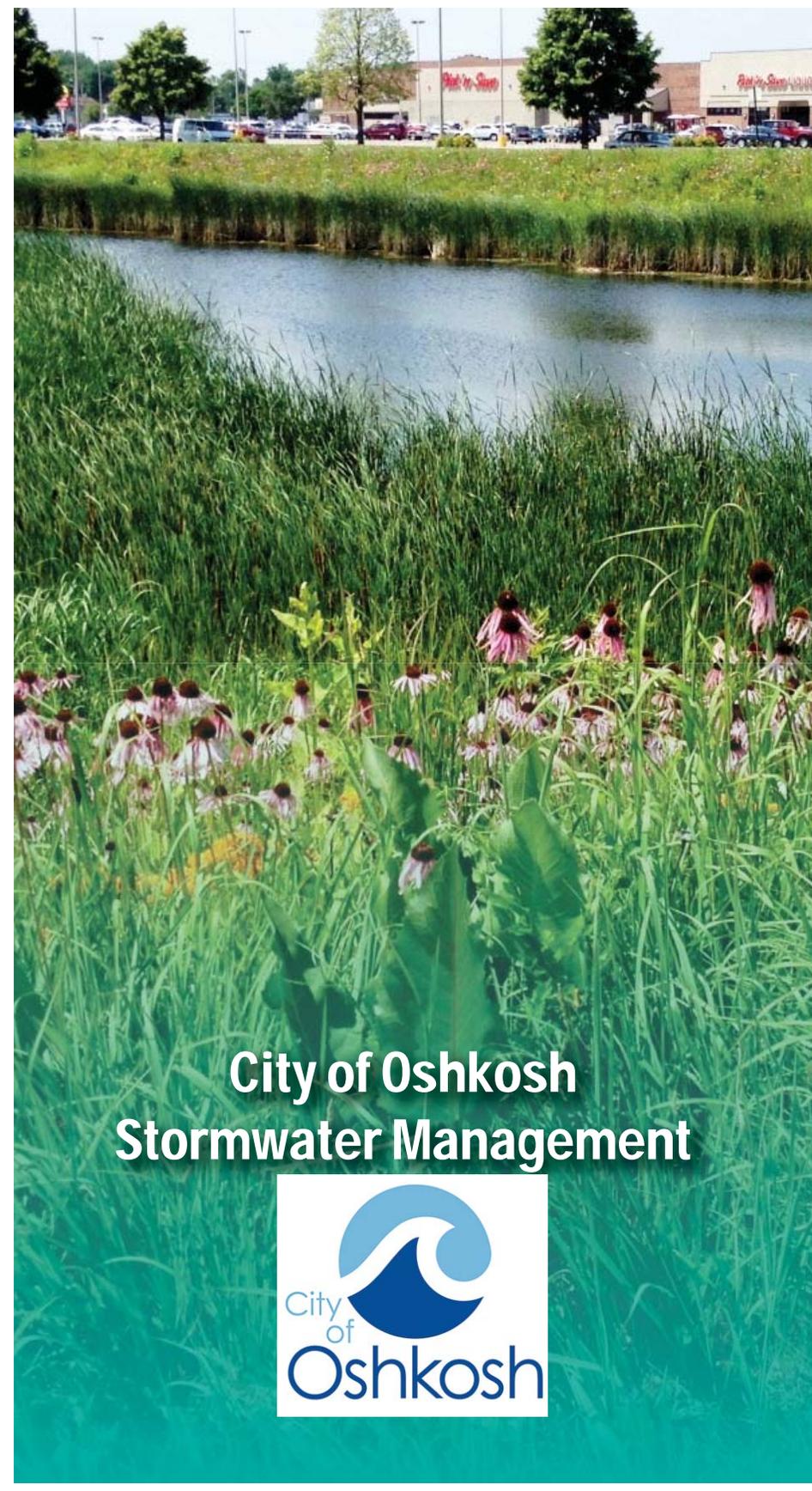
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(Information through 2016)



# City of Oshkosh Stormwater Management



# What is Stormwater and Why is it Important?

Stormwater is the water that runs off the land's surface when it rains or when snow melts. Stormwater flows onto streets and into storm sewers or ditches and is carried directly into nearby lakes or rivers including Lake Winnebago, Lake Butte des Morts, Fox River and Sawyer Creek. In Oshkosh, stormwater is important for two reasons:

1. Flooded streets and property.
2. Pollution of lakes and rivers.

## Flooding

An impervious surface, such as a driveway, rooftop or street, does not allow the rain to soak into the ground. The amount of impervious surfaces increase when buildings, parking lots, streets and other structures are built on previously vegetated land. Increased impervious surfaces result in more water running off the land and can lead to flooding if not managed properly. Much of the City of Oshkosh is built on flat land. As a result, stormwater tends to pond in depressions on the land's surface, which can lead to nuisance conditions. Stormwater flooding can result in private property damage, hinder emergency vehicle access, endanger public safety and damage roads, bridges and other infrastructure.

## Pollution

As stormwater flows across driveways, parking lots, lawns, streets and other surfaces, it picks up pollutants along the way. The pollution comes from many sources — oil leaking from vehicles, tire and brake lining wear, lawn fertilizers and pesticides, soil from construction sites, grass clippings, and litter. Stormwater typically runs directly into streams, rivers and lakes. When this pollution reaches the lakes and rivers, it can result in nuisance algae and aquatic weed growth, high bacteria levels, turbid water, toxic levels of metals or petroleum, and low oxygen levels. The City of Oshkosh, like almost all cities in Wisconsin, is under state and federal regulations to reduce stormwater pollution.

## City's Stormwater Management Program

The City of Oshkosh has embarked on an aggressive program to improve stormwater management for both flood control and pollution reduction. Stormwater management not only improves safety, protects property, and enhances water quality. It also promotes a strong business climate by maintaining an efficient transportation system.

## Storm Sewer Improvements

Stormwater Utility Fees are used for many improvements including replacing existing storm sewer and building new storm sewers. Storm sewers are usually upgraded as part of the street reconstruction process. Storm sewer improvement projects replace aging sewers and increases the capacity of the storm sewer system in order to reduce flooding. Since 2009 the City has embarked on an aggressive storm sewer construction program. This program reflects the City's goals to improve infrastructure, reduce flooding, and improve water quality. The accompanying graph illustrates the length of storm sewer installed annually by the storm water utility.

## Paying for the Stormwater Management Program

The storm sewer upgrades and other projects listed in this brochure are expensive but provide great benefits. People in the affected areas have noticed the reduced flooding in their neighborhoods.

Funding for the City's stormwater program comes from state and federal grants and the Stormwater Utility Fee, which was established in 2002. The fee is paid by every City property owner based upon the amount of impervious surface on each property. In 2013, Stormwater Utility Fees generated almost \$6.3 million dollars that are used to pay the debt on past projects, help fund new projects and finance daily operations. Additional projects will be needed to continue stormwater improvements throughout the City.



Look for these educational signs at stormwater project locations

A brief list of recent projects and accomplishments includes:

Date	Project
2016	North Main Street Area Wet Detention Basin
2015	9th and Washburn Area Stormwater Quality & Flood Control Basin
2014	Armory Area Stormwater Quality & Flood Control Basin
2013	City Hall Underground Detention Basin & Parking Lot
2011-2013	James Road Area Flood Control Basin
2011-2013	Sawyer Creek Dredging & Westhaven Street Bridge Replacement
2011	Hughes Street (Glatz Creek) Culvert Replacement
2011	Westhaven Circle Area Stormwater Quality & Flood Control Basin
2010	North High School Area Stormwater Quality & Flood Control Basin
2010	Oakwood Road Area Stormwater Quality & Flood Control Basin
2010	Melvin Avenue Area Pump Station & Storm Sewer Improvements
2009-2011	Tipler School Area Flood Control Basin & Storm Sewer Improvements
2008	Baldwin Avenue Area Flood Control Basin & Storm Sewer Improvements
2005	Anchorage Channel and Fair Acres Stormwater Quality & Flood Control Basin

## Miles of Storm Sewer Constructed (2000 - 2016)

