

STRATEGY:

# Flood Damage Reduction

## OBJECTIVE

The SMP will continue to address flooding issues by funding flood damage reduction projects that remove habitable buildings from the floodplain and/or minimize the potential for flooding based on design standards, and mitigate street flooding based on design standards. Flood improvements will be prioritized based on watershed needs and may also include stabilizing streams, reducing modifications to the hydrology and hydraulics of the watershed, improving water quality, and/or replacing system components.

## REASON

Flood management and prevention will continue to be core elements of Johnson County's commitment to safeguarding property and the public's well-being.

## TACTICS

- Review flood management project criteria
- Watershed-scale flood management

## IMPACTS

Each strategy is designed to have impacts on multiple gap areas. In addition to closing gaps around maintaining focus on flood damage reduction, the Flood Damage Protection strategy will help SMP close gaps associated with:

**Water Quality:** Flood reduction efforts can have significant effects on water quality, especially around stream bank stability.

**System Management:** Stream bank stabilization can also make a significant impact on the long-term viability of buried infrastructure near streams.

**Alternative Funding:** Many federal programs are focused on helping to fund programs or projects that provide flood protection.

In response to new stormwater-related challenges and opportunities, the Johnson County Public Works & Infrastructure Urban Services Division initiated an update of the initial 2002 Strategic Business Plan of the Stormwater Management Program (SMP). The "State of Practice" in stormwater management, including new approaches and advances, are reflected in the strategies developed for the new 2016 plan. In addition to water quantity and flood damage reduction concerns, the strategies address water quality and regulatory issues as well as a growing trend toward integrated water resource management planning.

