

## DESIGN & IMPLEMENTATION

Compiled by the Calumet Stormwater Collaborative

The Calumet Stormwater Collaborative repository design and implementation section provides accessible stormwater resources related to green infrastructure design, implementation, and construction. Hyperlinked names take you to each resource.

Design Guidelines		
Name	Organization	Description
<a href="#"><u>Appendix C. Standard Details and Notes of WMO's Technical Guidance Manual (TGM)</u></a>	Metropolitan Water Reclamation District	Webpage of standard design details for green and grey infrastructure practices that are in compliance with the WMO.
<a href="#"><u>CDOT Sustainable Urban Infrastructure: Policies and Guidelines, Vol. 1</u></a>	Chicago Department of Transportation	This document establishes requirements, standards, and policies to help the City of Chicago design, build, and maintain sustainable infrastructure within the public right-of-way to address environmental issues, build resiliency, and improve quality of life.
<a href="#"><u>Green Infrastructure Design Guideline</u></a>	American Society of Landscape Architects	Website describing the benefits, contexts, and types of green infrastructure and is a robust resource for links to organizations, landscape performance research, and project examples.
<a href="#"><u>Green Infrastructure Designs: Scalable Solutions to Local Challenges</u></a>	Delta Institute, in partnership with the Calumet Stormwater Collaborative	Guidance on the selection, siting, and design of green infrastructure practices and detailed design templates for bioswales, stormwater planters, rain gardens, underground storage, and pervious pavement.
<a href="#"><u>Green River Pattern Book: An Illustrated Guide to Sustainable Urban Planning and Design Principles and Environmental Design / Energy Conservation Best Practices</u></a>	South Suburban Mayors and Managers Association, Chicago Southland Development Corporation, Hitchcock Design Group	The Pattern Book provides information on green infrastructure practices and other sustainable development techniques that can be applied to sites and conditions across the Calumet River Corridor in the communities of Blue Island, Burnham, Calumet City, Calumet Park, Dolton, Riverdale, and Robbins.
<a href="#"><u>Rain Gardens: A how-to manual for homeowners</u></a>	Wisconsin Department of Natural Resources and University of Wisconsin-Extension	A guide for homeowners and professional landscapers to design and build rain gardens on residential properties.
<a href="#"><u>Sustainable Sites Initiative (SITES)</u></a>	SITES is a combined effort of the American Society of Landscape Architects, The Lady Bird Johnson Wildflower Center at The University of Texas at Austin, and the United States Botanic Garden. It is now run by U.S. Green Building Council.	SITES is a program to guide and certify the sustainable design of sites, equivalent to LEED (system by the U.S. Green Building Council (USGBC)). The USGBC has adopted its rating system and offers SITES courses.
<a href="#"><u>Watershed Management Ordinance (WMO) Design Calculators</u></a>	Metropolitan Water Reclamation District	Spreadsheets to calculate stormwater runoff rates and volumes, detention storage, and hydraulic structure sizing to meet MWRD's Watershed Management Ordinance for site development or redevelopment.



# DESIGN & IMPLEMENTATION

Compiled by the Calumet Stormwater Collaborative

Implementation and Construction Strategies		
Name	Organization	Description
<u><i>City Green: Innovative Green Infrastructure Solutions for Downtowns and Infill Locations</i></u>	U.S. Environmental Protection Agency	A collection of case studies highlighting green infrastructure projects that overcame challenges commonly faced when working with infill sites.
<u><i>Stormwater Trees</i></u>	U.S. Environmental Protection Agency	Technical memorandum on planting and maintaining trees adjacent to roadways or sidewalks in urban areas suffering from urban heat island impacts, stormwater management issues, shade deficits, and other issues.
<u><i>Greening Vacant Lots: Planning and Implementation Strategies</i></u>	NatLab collaboration (Natural Resources Defense Council, The Nature Conservancy, and EKO Asset Management Partners)	A collection of case studies highlighting tools various cities have employed to turn vacant lots into more productive uses such as green infrastructure for stormwater management.
<u><i>Illinois Urban Manual</i></u>	Association of Illinois Soil and Water Conservation Districts (AISWCD)	Manual outlining best management practices (BMPs) for controlling nonpoint source pollution within existing and developing urban areas through soil erosion and sediment control, stormwater management, and special area protection.
<u><i>Landscape Performance Series</i></u>	Landscape Architecture Foundation	Website containing green infrastructure case studies, high level statistics that are useful for green infrastructure rationale, and online calculators for estimating and planning landscape performance.
<u><i>National Green Infrastructure Certification Program: Body of Knowledge</i></u>	DC Water & the Water Environment Federation	Compilation of reference materials on green infrastructure construction, inspection, and maintenance that were identified as part of the National Green Infrastructure Certification Program (NGICP).