

## Stormwater Community of Practice – Stormwater Management Resources

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**Center for Environmental Excellence | Stormwater Community of Practice**  
[http://environment.transportation.org/center/products\\_programs/communities\\_of\\_practice.aspx#StormwaterManagement](http://environment.transportation.org/center/products_programs/communities_of_practice.aspx#StormwaterManagement)

### Practitioner Field Guides

- [Construction Stormwater Field Guide](#) (April 2016)
- [Maintenance Stormwater Field Guide](#) (April 2016)

### Practitioner's Handbook

- AASHTO Practitioner's Handbook #13: [Developing and Implementing a Stormwater Management Program in a Transportation Agency](#) (June 2009)

### State of the Practice Reports

- [Water Quality Monitoring](#) (June 2013 - Draft)
- [Stormwater Program Effectiveness Assessment](#) (July 2012)
- [Watershed-Based Stormwater Management](#) (December 2012)
- [Source Control](#) (May 2011)
- [EPA Post-Construction Stormwater Control Rulemaking](#) (January 2011)
- [EPA Regulations](#) (October 2010)
- [Post-Construction BMPs](#) (June 2010)
- [Total Maximum Daily Load \(TMDL\)](#) (March 2010)
- [Effluent Limitations Guidelines](#) (March 2010)
- [Construction Stormwater Management](#) (June 2009)

**AASHTO Stormwater Research Road Map** (June 2015, Appendix F of SCOE Strategic Plan and Research Plan)

[http://environment.transportation.org/pdf/communities\\_of\\_practice/nchrp25-25-95\\_scoestrategicplanandresearchplan.pdf](http://environment.transportation.org/pdf/communities_of_practice/nchrp25-25-95_scoestrategicplanandresearchplan.pdf)

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## National Cooperative Highway Research Program (NCHRP)

### Project 25-25 (short term/low cost research)

25-25/Task 16 [State Transportation Agency Strategies to Address NPDES Phase II Requirements](#)

25-25/Task 53 [Stormwater Treatment with Vegetated Buffers](#)

25-25/Task 56 [Cost and Benefit of Transportation Specific MS4 and Construction Permitting](#)

25-25/Task 74 [Meeting the New EPA Effluent Limitations Guideline for Construction Site Discharge Turbidity: Effectiveness of Different Turbidity Control Systems and Monitoring Methods](#)

25-25/Task 82 [Permeable Shoulders with Stone Reservoirs](#)

25-25/Task 83 [Current Practice of Post- Construction Structural Stormwater Control](#)

25-25/Task 85 [Nutrient \(Nitrogen/Phosphorous\) Management and Source Control](#)

25-25/Task 86 [Toxicological Effects of Chloride Based Deicers in the Natural Environment](#)

25-25/Task 92 [Transferability of Post-Construction Stormwater Quality BMP Effectiveness Studies](#)

25-25/Task 101 [Stormwater Monitoring Program Goals, Objectives and Protocols for State Departments of Transportation](#)

### Full NCHRP Research Projects/Reports

Project Number	Project Title	Stage	Comments
<a href="#">NCHRP 20-06/Topic 21-02</a>	Claims Related to Stormwater Discharges	Final	
<a href="#">NCHRP 25-13 and 25-13(2)</a>	Assessments of Impacts of Bridge Deck Runoff Contaminants on Receiving Waters	Completed	
<a href="#">NCHRP 25-31</a>	Guidelines for Evaluating and Selecting Modifications to Existing Roadway Drainage Infrastructure to Improve Water Quality in Ultra-Urban Areas	Completed	NCHRP Report 729
<a href="#">NCHRP 25-32</a>	Measuring and Removing Dissolved Metals from Storm Water in Highly Urbanized Areas	Completed	NCHRP Report 767
<a href="#">NCHRP 25-37</a>	A Watershed Approach to Mitigating Stormwater Impacts	Completed	NCHRP Report 840
<a href="#">NCHRP 25-40</a>	Long-Term Performance and Life-Cycle Costs of Stormwater Best Management Practices	Completed	NCHRP Report 792.
<a href="#">NCHRP 25-42</a>	Bridge Stormwater Runoff Analysis and Treatment Options	Final	NCHRP Report 778
<a href="#">NCHRP 25-51</a>	Limitations of the Infiltration Approach to Stormwater Management in the Highway Environment	Active	Research underway.
<a href="#">NCHRP 25-53</a>	Approaches for Determining and Complying with TMDL Requirements Related to Roadway Stormwater Runoff	Pending	
<a href="#">NCHRP 25-54</a>	Field Testing of BMPs Using Granulated Ferric Oxide Media to Remove Dissolved Metals in Roadway Stormwater Runoff	Active	
<a href="#">NCHRP 14-39</a>	Using Vegetated Compost Blankets to Achieve Highway Runoff Volume and Pollutant Reduction	Pending	
<a href="#">NCHRP 25-12</a>	Wet Detention Pond Design for Highway Runoff Pollution Control	Completed	Report not published.
<a href="#">NCHRP 25-20(01)</a>	Evaluation of Best Management Practices for Highway Runoff Control	Completed	
<a href="#">NCHRP 25-20(02)</a>	Identification of Research Needs Related to Highway Runoff Management	Completed	
<a href="#">NCHRP 25-41</a>	Guidance for Achieving Volume Reduction of Highway Runoff in Urban Areas	Completed	NCHRP Report 802

<b>Project Number</b>	<b>Project Title</b>	<b>Stage</b>	<b>Comments</b>
<a href="#"><u>NCHRP 06-16</u></a>	Guidelines for the Selection of Snow and Ice Control Materials To Mitigate Environmental Impacts	Completed	
<a href="#"><u>NCHRP 10-90</u></a>	Guidance for Complying with EPA Effluent Limitation Guidelines for Construction Runoff	Anticipated	
<a href="#"><u>NCHRP Synthesis 20-05/Topic 43-06</u></a>	Pollutant Load Reductions for Total Maximum Daily Load (TMDL) Reductions for Highways	Final (Synthesis)	
<a href="#"><u>NCHRP 20-07/Task 338</u></a>	Hydrology for Water Quality Analysis and Design	Completed	

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