

# STORMWATER EVALUATION

Wisconsin Department of Transportation

## Factor Sheet D-5

Alternative	Preferred <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Identified	Project ID:
-------------	--	-------------

[See FDM Chapter 10 for general guidance on stormwater issues](#)

1. **Indicate whether the proposed action may cause a discharge or will discharge to the waters of the state (Trans 401.03).**
2. **Special consideration should be given to areas that are sensitive to water quality degradation. Indicate whether or not a sensitive area is present and provide specific recommendations on the level of protection needed.**

- ☐ No water special natural resources are affected by the alternative.
- ☐ Yes – Water special natural resources exist in the project area.
- ☐ River/stream
  - ☐ Wetland
  - ☐ Lake
  - ☐ Endangered species habitat
  - ☐ Other – Describe:

Describe protection recommendations:

3. **Indicate whether circumstances exist in the project vicinity that require additional or special consideration, such as an increase in peak flow, total suspended solids (TSS) or water volume.**

- ☐ No additional or special circumstances are present.
- ☐ Yes – Additional or special circumstances exist. Indicate all that are present.
- ☐ Areas of groundwater discharge
  - ☐ Stream relocations
  - ☐ Long or steep cut or fill slopes
  - ☐ Cold water stream
  - ☐ Large quantity flows
  - ☐ Increased backwater
  - ☐ Other – Describe any unique, innovative, or atypical stormwater management measures to be used to manage additional or special circumstances:
  - ☐ Areas of groundwater recharge
  - ☐ Overland flow/runoff
  - ☐ High velocity flows
  - ☐ Impaired waterway
  - ☐ Exceptional/outstanding resource waters
  - ☐ Total Maximum Daily Load (TMDL)

4. **Describe the overall stormwater management strategy to minimize adverse and enhance beneficial effects.**

5. **Indicate how the stormwater management plan will be compatible with fulfilling Trans 401 requirements.**

6. **Identify the stormwater management measures to be utilized.**

[See FDM Chapter 10, Section 35 for Best Management Practices](#)

- ☐ Swale treatment (parallel to flow) Trans 401.106(10)
- ☐ Vegetated filter strips (perpendicular to flow)
- ☐ Constructed storm water wetlands
- ☐ Buffer areas – Trans 401.106(6)
- ☐ In-line storm sewer treatment, such as catch basins, non-mechanical treatment systems.
- ☐ Detention/retention basins – Trans 401.106(6)(3)
- ☐ Distancing outfalls from waterway edge
- ☐ Infiltration – Trans 401.106(5)
- ☐ Other – Describe:

7. **Indicate whether any Drainage District may be affected by the project.**

- ☐ No – None identified

☐ Yes

Has initial coordination with a drainage board been completed?

☐ No – Explain why:

☐ Yes – Discuss results:

**8. Indicate whether the project is within WisDOT's Phase I or Phase II stormwater management areas.**

Note: See Procedure 20-30-1, Figure 1, Attachment A4, the Cooperative Agreement between WisDOT and WisDNR. Contact Regional Stormwater/erosion Control Engineer if assistance is needed to complete the following:

☐ No – The project is outside of WisDOT's stormwater management area.

☐ Yes – The project affects one of the following and is regulated by a WPDES stormwater discharge permit, issued by the WisDNR:

☐ A WisDOT storm sewer system, located within a municipality with a population greater than 100,000.

☐ A WisDOT storm sewer system located within the area of a notified owner of a municipal separate storm sewer system.

☐ An urbanized area, as defined by the U.S. Census Bureau, NR216.02(3).

☐ A municipal separate storm sewer system serving a population less than 10,000.

**9. Has the effect on downstream properties been considered?**

☐ No – Explain why:

☐ Yes – Coordination has been completed or is in process, describe:

If No, either explain why consideration of the effects is not required, or, explain why the consideration and coordination has not begun yet and when you anticipate it will begin.

If Yes, Describe the effects, results of the coordination, identify who was included in the discussions (do not provide specific names) and indicate whether or not additional follow-up is required.