

STORMWATER Factor Sheet

06-13-2019

Wisconsin Department of Transportation

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

For assistance with Stormwater issues or completing this Factor Sheet, contact the Region Environmental Coordinator (REC), Region Stormwater and Erosion Control Engineer (SWEC) or Bureau of Technical Services, Environmental Services Section (BTS-ESS) Erosion Control or Stormwater Engineer.

See FDM 10 for general guidance on stormwater issues: <https://wisconsin.gov/rdwy/fdm/fd-10-00toc.pdf>

A separate Factor Sheet must be completed for each alternative carried forward for detailed analysis that includes a stormwater evaluation. If impacts are identical between alternatives, clarify in the Alternatives box above which alternatives are included in the discussion on this sheet.

Information on this Factor Sheet must be consistent with the information included on the environmental document template, the Wetlands, Surface Waters, Erosion Control or any other Factor Sheets completed.

1. Special consideration should be given to areas that are sensitive to water quality degradation. Indicate whether a sensitive area is present and provide specific recommendations on the level of protection needed.

- No, special natural resources are not affected by the alternative
- Yes, special natural resources exist in the project area
 - DNR designated Outstanding Resource Waters (ORW)
 - DNR Designated Exceptional Resource Waters (ERW)
 - Wetland(s)
 - Lake
 - Endangered species or critical habitat
 - Cold water stream
 - Other waterways
 - Areas of groundwater recharge
 - Total Maximum Daily Load (TMDL)
 - Other, describe:

Describe protection recommendations:

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

- No, additional or special circumstances are not 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
 - Increased backwater
 - Significant increase in impervious surface
 - Rural to urban conversion
 - Impaired waterway
 - High velocity flows
 - Large quantity flows
 - Other – Describe any unique, innovative, or atypical stormwater management measures to be used:

3. Describe the overall stormwater management strategy to minimize adverse effects and enhance beneficial effects:

4. Indicate how the stormwater management plan will be compatible with fulfilling Trans 401 and the WDNR Transportation Separate Storm Sewer System permit (TS4) requirements:

5. Identify the stormwater management measures to be considered:

<input type="checkbox"/> Swale treatment (parallel to flow) Trans 401.106(10)	<input type="checkbox"/> In-line storm sewer treatment, such as catch basins, non-mechanical treatment systems
<input type="checkbox"/> Vegetated filter strip (perpendicular to flow)	<input type="checkbox"/> Detention basins
<input type="checkbox"/> Distancing outfalls from waterway edge	<input type="checkbox"/> Constructed storm water wetlands
<input type="checkbox"/> Infiltration – Trans 401.106(5)	<input type="checkbox"/> Buffer areas – Trans 401.106(6)
<input type="checkbox"/> Other – Describe:	<input type="checkbox"/> Other – Describe:

See FDM 10-35 for best management practices: <https://wisconsin.gov/rdwy/fdm/fd-10-00toc.pdf>

NR151.244(2) exempts highway reconstruction and new highways from infiltration due to possible groundwater contamination. However, if the site conditions are favorable for infiltration, infiltration should be considered with proper precautions. TRANS 401.106(5)(g) also states if groundwater protection cannot be met, infiltration may not be installed or shall be modified to prevent infiltration to the maximum extent practicable.

6. Indicate whether any Drainage District may be affected by the project (https://datcp.wi.gov/Pages/Programs_Services/DrainageDistricts.aspx).

- No, none identified
- Yes, has initial coordination with a drainage board been completed?
 - No, explain why:
 - Yes, discuss results:

7. Indicate whether the project is within a WDNR Municipal Separate Storm Sewer System (MS4) permitted stormwater management area or a WDNR TS4 stormwater management area.

- No, the project is outside of a MS4 or TS4 stormwater management area
- Yes, the project affects one of the following and is regulated by a WPDES stormwater discharge permit, issued by the WDNR:
 - A WDNR MS4 storm sewer system (connecting highways or local roads)
 - A WDNR TS4 storm sewer system for WisDOT highways (outside of connecting highway limits)
Describe coordination and BMPs below and indicate location of evidence of coordination here:

TS4:	Coordination:	BMPs:
MS4:	Coordination:	BMPs:

For highways located within a MS4 permitted area provide general description how permit requirements will be addressed by the project such as identifying possible post-construction BMPs that may be installed, etc. Describe coordination with municipality.

For WisDOT jurisdictional highways within a TS4 permitted area, provide general description how permit requirements will be addressed by the project such as describing possible installation of post-construction BMPs, etc.

For general location of TS4 permitted area boundaries, refer to the Appendices in the TS4 permit: <https://dnr.wi.gov/topic/stormwater/documents/WPDES-WI-S066800-1.pdf>

Contact your SWEC or BTS-ESS specialist for TS4 permit boundary questions.

For WDNR list of MS4 permitted municipalities, refer to this link: <https://dnr.wi.gov/topic/Stormwater/data/Municipal/muni.asp>

8. Has the effect on downstream properties been considered?

- No, explain:
- 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 agencies or municipalities included in the discussions (do not provide specific names) and indicate whether additional follow-up is required.

All environmental commitments made to avoid, minimize or mitigate for impacts must be included in Question 23 of the ER and EA Template, Section 5 of the PCE Template or Question XII of the CEC Template.