

Construction Stormwater Inspections

- When inspections are required
- Who conducts inspections
- What to inspect
- Inspection form DT 1072
 - BMP inspection guidance

When are inspections required?

Inspection of all implemented BMPS are required by Trans 401/TCGP:

- Weekly (within 7 days of last inspection)
- Within 24 hours of a rainfall event of 0.5 inches or more
 - A rainfall event may be considered to be the total amount of rain recorded in any continuous 24 hour period.
- At each stage, as new portions of a project are disturbed
- Upon completing the installation of permanent BMPs (seeding, etc) to stabilize disturbed areas
- At the completion of the project, before project final acceptance
 - Note this inspection is a check to make sure:
 - Permanent BMPs are established
 - Temporary BMPs have been removed

Where are inspections required?

- Required to inspect all BMPs identified in the ECIP (that are implemented at that time)
 - This includes BMPs that are implemented on contractor temporary support areas (not required if these areas have separate WDNR stormwater permit coverage)
 - Borrow and waste sites
 - Equipment storage
 - Material staging areas
 - Temporary batch plants
- Also, good practice to:
 - Inspect areas where water leaves the project (best way to check for overall BMP function)
 - Conduct additional inspections before, during or after rain events less than 0.5 inches
 - Conduct spot inspections on problem areas (past releases or large water volumes)

Good Inspection Practice

- Ask the following questions during inspections:
 - Are all erosion and sediment control BMPs shown on ECIP properly installed and in functional condition?
 - Is the right of way/ roadway/ curb line free of tracked soil and accumulation?
 - Are wetlands, lakes, streams, ditches, or storm sewers downstream of the site free of sedimentation and turbid water leaving the site?

Who conducts inspections

- WisDOT is responsible for completing inspections
- WisDOT shall invite the prime contractor for all required inspections at least an hour before the inspection (discuss at preconstruction conference if prime wants to be present)
- Contractor is not required to be present

What to inspect

- Look at all project erosion and sediment BMPs
 - Erosion control BMPs – seed, e-mat, mulch, grading practices, etc.
 - Sediment control BMPs – silt fence, inlet protection, sediment traps, etc.
- Inspection Form DT 1072 populated with common BMPs used on WisDOT projects. Other unique BMPs may be present on-site
- Project staff must document all required inspections with DT 1072

DT 1072 – Section 2

2. Inspection information

2. Inspection Information

Inspector Name: [REDACTED]	Inspection Date: [REDACTED]	Weather: [REDACTED]
Reason for inspection: <input type="checkbox"/> Weekly	<input type="checkbox"/> ≥ 0.5 in. rain in 24 hours	<input type="checkbox"/> Stage Other: [REDACTED]
Estimated percent of project open and not landscaped: [REDACTED]		
Was the Prime Contractor present for inspection? [REDACTED]		
Were all project BMPs inspected, including BMPs on Contractor Disturbed Areas (equipment staging, material storage, select sites, etc.)? [REDACTED] (If no, explain) i.e. safety/access issues		
General comments: (i.e. description of current phase of construction, schedule changes that may increase sediment discharge, environmentally sensitive areas inspected for evidence of sediment, topics for construction update meetings, etc.) [REDACTED]		

DT 1072 – Section 3

3. Project and Select Site, Best Management Practices (BMPs)

Modifications Required:	YES	NO	N/A	Modifications Required:	YES	NO	N/A
Silt Fence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mulch	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ditch Checks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Erosion Mat	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Silt Screen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Temporary Seeding	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riprap	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Permanent Seeding	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Culvert Pipe Checks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sod	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Inlet Protection	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grading Practices	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Turbidity Barrier	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Operations in Conformance with ECIP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rock Bags	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tracking Pads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporary Diversion Channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporary Settling Trap/Basin	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dewatering Operation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bypass Pumping Operation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note: BMPs checked yes must have Sections 4 and 5 completed. ECIP conformance checked no requires explanation.

- If BMP modifications are required, check yes.
- If BMP is functioning correctly, check no
- Check N/A if BMP is not present onsite
- For areas highlighted, see individual training modules in LearnCenter for inspection guidance.

DT 1072 – Section 3 (cont.)

3. Project and Select Site, Best Management Practices (BMPs)

Modifications Required:	YES	NO	N/A	Modifications Required:	YES	NO	N/A
Silt Fence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mulch	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ditch Checks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Erosion Mat	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Silt Screen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Temporary Seeding	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riprap	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Permanent Seeding	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Culvert Pipe Checks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sod	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Inlet Protection	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grading Practices	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Turbidity Barrier	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Operations in Conformance with ECIP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rock Bags	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tracking Pads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporary Diversion Channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporary Settling Trap/Basin	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dewatering Operation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bypass Pumping Operation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note: BMPs checked yes must have Sections 4 and 5 completed. ECIP conformance checked no requires explanation.

- For BMPs that are present onsite, but are not included on DT 1072, describe the BMP in the “other” boxes.

DT 1072 – Section 3 (cont.)

3. Project and Select Site, Best Management Practices (BMPs)

Modifications Required:	YES	NO	N/A	Modifications Required:	YES	NO	N/A
Silt Fence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mulch	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ditch Checks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Erosion Mat	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Silt Screen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Temporary Seeding	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riprap	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Permanent Seeding	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Culvert Pipe Checks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sod	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Inlet Protection	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grading Practices	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Turbidity Barrier	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Operations in Conformance with ECIP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rock Bags	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tracking Pads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporary Diversion Channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporary Settling Trap/Basin	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dewatering Operation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bypass Pumping Operation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note: BMPs checked yes must have Sections 4 and 5 completed. ECIP conformance checked no requires explanation.

- The ECIP conformance section is a general check for project staff to ensure the ECIP is up-to-date and the contractor is complying with the approved ECIP.
- Only Yes/ No option for this question. A “No” response requires explanation

DT 1072 – Section 3 (cont.)

ECIP conformance checks

- ECIP Section A: Project information
 - Is project land disturbance sequence and schedule accurately reflected in ECIP?
 - Are BMPs implemented before (or concurrent with) land disturbing activities?
 - Have new BMPs been implemented or the land disturbance limits changed?
- ECIP Section B: Borrow and Waste sites
 - Are the location and operations at select sites reflected in the ECIP?
- ECIP Section C
 - Is contractor following the pollution prevention BMPs they outlined in approved ECIP?

DT 1072 – Section 4

4. Description and Location of Issue

Item	Description and Location of Issue (attach pictures as necessary)
Tracking Pad	Material on roadway at STA 252+00 LT. Tracking pad at STA 252+00 LT needs to be widened to cover full egress point.
Ditch Check	Ditch check at STA 254+20 LT has sediment over ½ capacity. Remove sediment from ditch check

- Fill this section out for all BMPs that had a “Yes” checked in section 3
- Describe the issue and specific location.

DT 1072 – Communication (bottom of form)

Within 24 hours of completing the inspection, the inspector shall provide the project leader with a copy of the inspection report. Also, this completed inspection report must be posted on-site within 24 hours of completing the inspection. Erosion control order form, DT 1074, must be used to document communication requiring contractor corrective actions or mobilizations.

- Erosion control order form, DT 1074 shall be used to communicate inspection results and required action to contractor. This is mandated in Trans 401.10(4)C(3)