



Montana Department of Transportation
PO Box 201001
Helena, MT 59620-1001

Memorandum

To: e-Distribution
See Below

From: Lesly Tribelhorn, P.E. **LT**
Highways Engineer

Date: June 7, 2016

Subject: Temporary Erosion Control

This memo serves to update and replace two previous design memos, "Temporary Erosion Control Plans" from Paul Ferry on April 15, 2013 and "Temporary Erosion Control" from Paul Ferry on September 12, 2012.

The unit that develops the construction plans is responsible for preparing the erosion control plans and submitting them to the Contract Plans Bureau. The following guidance is provided to assist in the preparation of temporary erosion control plans:

General

1. Review the construction plans to ensure that all areas of disturbance are included (connections/transitions, median crossovers, etc.)
2. Fill in the title block on all sheets to ensure that all of the applicable information is included

Title Sheet

Use the macro located under Road Tools\File Utilities\Create DGN's in MicroStation. This macro will include the erosion control plan notation and remove unnecessary information. Modify the clip mask to remove any remaining inappropriate notes including, "surfacing sources contractor furnished"

Standard Erosion Controls

These items are located on the 2nd page of the plans. They are placed in the sheet with the macro when the title sheet is created.

Plan & Profile Sheets

These sheets consist only of the plan view. A macro is used to create the sheets. Show the following information in all plan views:

- Township, range and section with the north arrow
- Centerline and stationing
- Major contour intervals
- Construction limits
- Storm drains within the project limits

- Wetland delineations
- Culvert crossings if the project includes work on the culvert
- Bridge crossings
- Named streams

Do not show the following items in the plan views:

- Core holes and notations
- Utilities, including poles and pedestals
- Right-of-way lines and notations
- Construction permits including all notations

Additional Sheets

Detail sheets need to be provided for any work resulting in disturbance that is not shown on the plan view. These include but are not limited to:

- Median crossovers
- Channel relocations
- Detours that extend beyond the project limits
- Major approaches realignments (they generally have separate plan and profile and typical section)

Area of Disturbance

Sum the total areas of earth disturbing activities within the project limits. The area of disturbance also includes blading of the surfacing in-slopes for minor widening associated with overlays.

Whenever the disturbance on a project is one acre or more:

- Provide blank temporary erosion control plans
- Use the bid item, Temporary Erosion Control – LS

For projects that result in more than an acre of disturbance but do not have plan & profile sheets, such as overlays with minor shoulder work or guardrail widening, straight line diagrams need to be prepared. The title sheet and the standard erosion controls should be developed as described above. The straight line diagrams are not to scale and should include the following information:

- Station callouts and descriptions for the areas of disturbance
- Bridge end stations

When the disturbance on a project is less than one acre:

- Temporary erosion control plans are not needed
- For bridge projects or projects with seeding, revegetation, or equipment hours, include the bid item, BMP Administration - LS

If there are questions concerning the type of disturbance or the area of disturbance, such as widening for new optional terminal sections, contact the Environmental Services Project Development Engineer for your district.

These changes are effective with the August 11, 2016 letting.

If you have any questions concerning this memo, please contact me at 444-6242.

e-distribution:

Dustin Rouse,	Preconstruction Engineer
Kevin Christensen,	Construction Engineer
Lesly Tribelhorn,	Highways Engineer
James Combs,	Highways Design Engineer
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