

VTrans Erosion Prevention and Sediment Control Plan Contractor Checklist (Non-jurisdictional and Low Risk Projects)

The Contractor is required to modify the Contract Erosion Prevention and Sediment Control (EPSC) Plan, in accordance with the Contract Special Provisions and project permits. It shall be modified to meet their specific methods and means while minimizing the potential for a violation of the Vermont Water Quality Standards during construction. Addressing the components of this checklist will aid in preparation of that Plan. The Contractor will keep the Plan on site at all times. It will be implemented, monitored and maintained in the field and will be updated and amended according to changes in the project or its inadequacy in preventing sediment or sediment laden water from leaving the construction site.

1. Narrative

The EPSC Narrative in the Contract Plan includes Section 1.1 Project Description, 1.2 Site Inventory and 1.3 Risk Evaluation as background site information and Section 1.4 Erosion Prevention and Sediment Control as general guidelines for implementation of EPSC principles and measures. The Contractor shall use the background information and guidelines to determine what modifications shall be made to the Contract EPSC Plan to fit their specific methods and means.

Specifically, it is the responsibility of the Contractor to develop the following sections.

1.4. EPSC

The Contract EPSC Plan Narrative will include only those EPSC measures that are called out on the Plan sheets and for which payment is described. The contractor shall provide a list of additional EPSC Measures including a description as was done for those measures included in the Contract Narrative.

1.5. Sequence and Staging

1.5.1. Construction Sequence

All projects, regardless of size and scope, will have a series of construction activities that will be performed sequentially or concurrently. Some projects will have permits with particular restrictions and constraints that influence the sequence of activities. The EPSC Plan Narrative shall describe each construction activity and the specific earth disturbances that will occur in each activity. It shall further detail the timing of those activities and the EPSC principles and measures from Section 1.4 that will be implemented in conjunction with those activities to protect water resources and meet the permit conditions.

Ex: A project requires construction of a headwall. The installation of an access road is one of the activities; and the EPSC principles and measures may include placement of stone as the road is constructed (100 ft increments), stabilization of the side slopes with mulch or matting within 24 hours, and/or installation of check dams in the ditchline and a stabilized construction entrance.

1.5.2. Off Site Activities

All projects will have the need for a waste, borrow, or staging area or will have some other type of activity that requires them to work outside the contract construction limits. The EPSC Narrative shall provide a description of the proposed off-site activities including a general description of the locations, property owner information, amount and type of waste or borrow, area of disturbance, vicinity to resources, the EPSC principles and measures to be implemented, etc.

In lieu of providing this information in a narrative form the Contractor may submit copies of the completed VTrans Off Site Activity Form for each activity and a separate EPSC Plan as described in Section 2. A copy of the VTrans Off Site Activity Form can be found on the VTrans Environmental Section Web Page.

1.5.3. Updates

Changing conditions in the field will require updates to the EPSC Plan. When updates are necessary the Contractor shall submit a narrative meeting the guidelines of Section 1.5.1 above.

1.6. Contact Information

1.6.1. On-Site Plan Coordinator: identification, basic qualifications, and contact number

This information will be reviewed and will factor into whether the overall Plan will be accepted. This section must demonstrate that the individual:

- 1) will be onsite on a daily basis,*
- 2) will have the authority to halt construction,*
- 3) is capable of ensuring the project will be constructed in accordance with the Plan and the terms of the project permits.*

1.6.2. Plan Preparer: identification, basic qualifications, and contact information

The Contract Plan Preparer shall be familiar with the Vermont Standards and Specifications for Erosion Prevention and Sediment Control, relative sections of the Vermont Agency of Transportation Standards Specifications for Construction and Contract Special Provisions, and project specific Permits.

1.7. Schedule

Include the Construction schedule showing timelines for EPSC measure implementation

1.8. Inspection Form

The Contractor may submit a copy of the Agency generated inspection form (found at <http://www.aot.state.vt.us/TechServices/EnvPermit/erosionpreventionandsedimentcontrol.htm>) or create another and submit it for acceptance.

2. Erosion Prevention and Sediment Control Plan

The Contractor shall use the Contract Plan Sheets (Layout, Existing or Final Conditions) as a base for the EPSC Plan to visually depict what was described in Section 1.5 of the Narrative. If necessary to convey the sequential nature of construction activities and associated erosion prevention and sediment control implementation, several plans sheets showing successive site conditions are recommended. At a minimum, the following shall be shown on Plan Sheet(s):

Construction Sequence

Clearly show the sequence of all the earth disturbance construction activities of the project. Illustrate the specific EPSC measures that will be implemented for each activity. Use symbology found at the link below to clearly demonstrate where each measure will be used.

Off Site Activities

Show the location of and erosion prevention and sediment control measures for activities outside the contract construction limits including topsoil stockpiles, staging and equipment storage areas, refueling/maintenance areas, access and haul roads, and disposal areas for excess soil and stumps. Locations maps for off site areas shall be included.

Details

Provide Detail Drawings for additional EPSC measures (found at the link below).

General Information

Show north arrow, scale or at a minimum distance to resources, drainage and stream/river flow paths, and slope indicators (direction and grade).

Details and symbology web link:

<http://www.aot.state.vt.us/CaddHelp/DownLoad/Details/ErosionSedimentCtrl/ErosionSedimentCtrl.htm>

Updates

Changing conditions in the field will require updates to the EPSC Plan. The Contractor shall make record of the necessary changes by showing the EPSC Measure symbology on, or adding notes to, the EPSC Sheet in accordance with the guidelines given above.