OREGON DEPARTMENT OF TRANSPORTATION

Geo-Environmental Section

TECHNICAL SERVICES

Advisory

TOPIC	NUMBER	DATE
Correct Use of Erosion and Sediment Control Specification Language	*GE12-01(A)*	*10/10/2012*
APPROVAL *Original Signed by* *Paul Wirfs Technical, Interim Section Manager* *Services /Geo-Environmental Section*	EFFECTIVE DATE *10/22/2012*	VALIDATION DATE *00/00/0000*

Topic

Provide guidance for project teams in utilizing Section 00280 of the Oregon Standard Specifications and Special Provisions for highway project administration and construction based on risk and ground disturbance.

ACRONYMS

BMP – Best Management Practices
ESC – Erosion and Sediment Controls
ESCP – Erosion and Sediment Control Plan
NPDES – National Pollutant Discharge Elimination System

Advisory Information

ODOT is required to comply with the conditions of the National Pollutant Discharge Elimination System (NPDES) permit number 1200 CA on all projects with one acre or more of ground disturbance. For projects with less than one acre of ground disturbance, ODOT needs to provide appropriate Erosion and Sediment Controls (ESC) necessary to protect receiving waters. For these smaller projects, ODOT is not required to conduct the same level of monitoring, documentation and reporting, or to comply with the Erosion and Sediment Control Plan (ESCP) requirements included in the 1200 CA permit and the Standard Section 280 Specifications.

Low Risk Projects

Revised Section 280 Special Provisions have been prepared with **revised subsections** 00280.02, 00280.04, 00280.62 and 00280.90 as identified below that may be applied, with concurrence from the Section 280 Technical Expert, to low risk projects with less than one acre of ground disturbance. Proper use of the specifications will reduce time in Project Development and Construction, result in cost savings, and provide appropriate ESC for the project.

Any changes/updates in Technical Services Directives or Bulletins (Manuals, Standard Specifications and Drawings) take precedence over information in Advisories.

Revised Subsections

00280.02 Erosion and Sediment Control Plan on Agency Controlled Lands *- Replace this subsection, except for the subsection number and title, with the following:*

Use either the Agency's ESCP, a Contractor modified version of the Agency's ESCP, or a Contractor developed ESCP. Submit the following for approval ten calendar days before the preconstruction conference:

- *When using the Agency's ESCP without modification, a written notification indicating the Agency's ESCP will be used without modification.*
- *When using a Contractor modified version of the Agency's ESCP or when using a Contractor developed ESCP, include the following:*
  - *Proposed ESCP showing all erosion BMP and quantities of all BMP.*
  - *Implementation schedule for all BMP.*

Do not begin any site activities that have potential to cause erosion or sediment movement until the ESCP and implementation schedules are approved by the Engineer.

Update the ESCP and schedule as needed for unexpected storm or other events to ensure that sediment-laden water does not leave the construction site.

00280.04 Erosion and Sediment Control Manager *- Delete this subsection.*

00280.62 Inspection and Monitoring *- Replace this subsection, except the subsection number and title, with the following:*

Inspect all erosion BMP and review the project site for potential erosion or sediment movement on a weekly basis and when 1/2 inch or more of rainfall occurs within a 24 hour period.

If a significant noncompliance or serious water quality issue occurs which may endanger health or the environment, verbally report to the Engineer with 24 hours.

00280.90 Payment *- In the paragraph that begins "Item (a) includes...", delete the bullet the begins "providing the Erosion and...".*

Replace the paragraph that begins "When only Item (a) is..." with the following paragraph:

When only item (a) is listed in the Contract Schedule of Items, additional BMP required for permit compliance will be paid for as Extra Work according to Section 00196.

High Risk Projects

High Risk projects with less than one acre of ground disturbance may contain erosion potential or environmental factors that would lead the Project Team to use the existing Section 280 Specifications, and not to utilize the new subsections of the Section 280 Special Provisions.

Erosion Risk Determination Factors

Before deciding to use the **revised subsections** of the Section 280 Special Provisions, the Project Team should ascertain presence of **High Risk Erosion Factors** that are likely to generate erosion or sediment movement off site or into a waterway or a wetland. These factors are, but not limited to:

1. Proximity to a wetland or waterway within 100 feet;
2. Erodible soils or disturbance of steep slopes;
3. Wet season construction and soil disturbance;
4. Multiple construction season schedule;
5. Probability that the area of ground disturbance will increase to an area greater than one acre; and/or
6. Stringent local requirements that affect the ESCP and monitoring requirements.

Use the table below to identify the required Specification language corresponding to a project's risk level:

TYPE I–**No Risk**	**TYPE II**–**Low Risk**	**TYPE III**–**High Risk**
Project does not involve any ground disturbance (e.g., clearing, grading, excavation, or stockpiling). Examples include striping projects, pavement in-lay projects, paving projects with no widening or ground disturbance, specialty projects with no ground disturbance involved.	Project involves less than one acre of ground disturbance and does not contain any High Risk Erosion Factors. Examples include paving projects with minor widening, major sign installations, guardrail projects with minor widening, etc.	All projects with one acre or more of ground disturbance, and projects with less than one acre of ground disturbance when High Risk Erosion Factors are present. Examples include projects with grading activities, bridge construction, and culvert replacement.
Specifications Section 280 - Erosion and Sediment Control: Specifications and separate Bid Items are not required. Section 290 - Environmental Protection: Specifications are required.	**Specifications** Section 280 - Erosion and Sediment Control: Utilize revised **subsections** of Special Provisions and provide Bid Items for all BMP shown on the ESCP. Section 290 - Environmental Protection: Specifications are required.	**Specifications** Section 280 -Erosion and Sediment Control: Include Special Provisions and provide Bid Items for all BMP shown on the ESCP. Do not include revised subsections identified above. Section 290 - Environmental Protection: Specifications are required.

Any changes/updates in Technical Services Directives or Bulletins (Manuals, Standard Specifications and Drawings) take precedence over information in Advisories.

Target Audience

Erosion and Sediment Control Designers
Inspectors
Project Leaders
Project Managers
Regional Environmental Coordinators

Contact Information

CONTACT:
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For more information on creating an advisory see TSB01-D-001.
http://www.oregon.gov/ODOT/HWY/TECHSERV/docs/tech_bulletins/tsb09-01d.pdfb

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