

DB Section 141.27 - Landscaping

(a) Scope - This Section covers the requirements for development and implementation of a Project Landscaping Plan that includes:

- Aesthetic slope treatments
- Reforestation (i.e. tree replacement)
- Revegetation Plans
- Noxious Weed Control Plan
- Seeding and plant Establishment Period

(b) Standards – Design-Builder shall design and construct landscaping in accordance with the requirements of this Section 141.27.

- AASHTO *Roadside Design Guide*
- **DB Standard Specifications** (Parts 00200 through 03000 of the *Oregon Standard Specifications for Construction*)

(c) Requirements

(1) Landscaping Plan – Design-Builder shall design and incorporate aesthetic treatments on slopes, replace Mature Trees (defined below), and provide for the reforestation and revegetation of disturbed areas in accordance with a Landscaping Plan. The final product shall provide the means to mitigate potential visual impacts, while minimizing maintenance and providing a long service life. The Landscaping Plan shall provide for trees, plants and vegetation that match the natural environment of the Project Site. For the purposes of this Section 141.27, a “Mature Tree” is a tree that has reached 75% of its full canopy growth.

Design-Builder shall develop and implement the Landscaping Plan under the direction of a Landscape Architect licensed by the State Landscape Contractors Board with experience in either urban or rural Highway projects, whichever is relevant to the Project.

a. General - At a minimum the landscape design shall provide:

- Continuity of overall visual quality along the Project corridor
- Visibility of plantings from ROW, adjacent frontage roads and the surrounding area
- Extended service life of plantings
- Ease and cost-effectiveness of plant maintenance and repair

b. Slope Retention Systems - Design-Builder shall revegetate new cut and fill slopes where the Soil conditions and slope grade make revegetation feasible, and shall use planting methods that facilitate root development on Slopes steeper than 2:1 (horizontal: vertical).

c. Tree Replacement and Revegetation Requirements - Design-Builder shall limit the removal of existing vegetation (including trees) to the area within the construction slope limits and the adjacent area within the Project Site or Work Location needed for the operation of construction vehicles (a maximum of 10 feet outside of the constructed slope).

Prior to the start of Project construction activities, Design-Builder shall clearly mark trees and other vegetation to be saved, as well as those to be removed.

Design-Builder shall develop and implement a Tree Replacement Plan with input from State and federal regulatory Authorities. Design-Builder shall identify the planting locations, the replacement quantities, tree size and type, and planting technique that will be used to replace trees removed during Project construction.

Prior to commencement of construction activities, Design-Builder shall resurvey the Project Site and each Work Location to determine the extent of noxious weed populations and develop a Noxious Weed Control Plan.

(2) Seeding and Plant Establishment Periods - Design-Builder shall comply with **DB Standard Specifications**, Sections 01030 - Seeding, and 01040 - Planting.

(3) Submittals - Design-Builder shall submit the following to Agency PM:

- **Landscaping Plan** - at Readiness-for-Construction and prior to start of construction of Project elements impacted by or impacting the Landscaping Plan
- **Noxious Weed Control Plan** - included as part of the Landscaping Plan
- **Tree Replacement Plan** - included as part of the Landscaping Plan