



State of Vermont | Agency of Transportation

Environmental Section

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To: Mahendra Thilliyar, *AOT Project Manager*
From: Bonnie Kirn Donahue, *VTrans Landscape Architect*
Date: May 16, 2023
Project: **Lyndon IM 091-3(53) 19A189**
Subject: Landscape Project Requirements

LANDSCAPE REQUIREMENTS FOR LYNDON IM 091-3(53) 19A189

1. GOALS:

- a. Specify plants that are:
 - i. Native to Vermont
 - ii. Pollinator-friendly
 - iii. Match site conditions
 - iv. Will naturalize and require no maintenance beyond the establishment warranty period.
- b. Revegetate wetland and riparian buffers to:
 - i. Prevent erosion on steep riparian embankments.
 - ii. Provide shade, food sources and woody debris to keep water cool and healthy for fish and other aquatic species to thrive.
 - iii. Provide wildlife corridors along wetlands and streams.
 - iv. Prevent sediment and pollutants like phosphorus from entering water bodies, keeping rivers, ponds and lakes clear from algae.

2. PLANTING:

- a. For disturbed areas within 0-100' of the water and/or wetland:
 - i. Plantings to be designed and installed per the [VTrans Riparian Planting Toolkit](#).
- b. For disturbed areas where existing mature trees and shrubs once stood, revegetate with native trees and shrubs.
 - i. The clear zone and permanent access areas are exceptions to this requirement and shall be seeded.
 - ii. See the [VTrans Riparian Planting Toolkit](#) for a list of native plant species. Match the plant preferences to site conditions prior to selecting species.

3. SEEDING:

- a. For disturbed areas that require reseeding:
 - i. Install *VAOT Rural Area Mix* or *VAOT Low Grow/Fine Fescue Mix* in areas within the clear zone, and areas that will be mowed frequently (mowed 1x per year or more).
 - ii. Install native pollinator seed in areas meant to naturalize (mowed 1x per 3 years or less).
 - 1. Pollinator seed mixes to be one of the following, or approved equal:
 - a. VERMONT NATIVE WILDFLOWER & GRASS MIX
 - i. SUPPLIER: VERMONT WETLAND PLANT SUPPLY.
 - ii. APPLICATION RATE: 18 LBS/ACRE.
 - b. NEW ENGLAND WILDFLOWER MIX
 - i. SUPPLIER: NEW ENGLAND WETLAND PLANTS, INC.
 - ii. APPLICATION RATE: 23 LBS/ACRE.
 - c. PA NEW ENGLAND PROVINCE UPL MEADOW MIX
 - i. SUPPLIER: ERNST CONSERVATION SEEDS, INC.
 - ii. APPLICATION RATE: 20 LBS/ACRE WITH 30 LBS/ACRE OF A COVER CROP.
 - iii. FOR A COVER CROP USE EITHER GRAIN OATS (1 JAN TO 31 JUL) OR GRAIN RYE (1 AUG TO 31 DEC).