
Appendix 9

**Hydroseeding Specifications
for the Sea To Sky Highway
Improvement Project**

Note: This Special Provision is for the restoration of the grass areas of the site.

1.01 Hydraulic Seeding

The following supplements Section 757 "Revegetation Seeding" of the Standard Specifications for Highway Construction (SSHC).

1.01.01 General

All areas of the site disturbed during construction other than mulched planting beds, pavement or hard landscape features shall be hydroseeded. The hydroseed treatment on rock fill slope areas had not yet been determined.

1.01.02 Materials

a) Hydroseed mulch shall be as defined in SSHC. Tackifier shall be "M-Binder".

b) The following shall be the seed mix:

(Note that the seed mix may vary due to micro-climate, soil conditions, time of year or other circumstances. The proposed mix should be reviewed by the Environmental Coordinator or Landscape Architect prior to installation in each area.)

.1 In areas of Squamish and south of Squamish:

"M.O.T. South Coast Region 1 Grass Seed Mix" adjusted below with perennial Lupine seed and Fall Rye (or approved equivalent).

Perennial Ryegrass	20%
Creeping Red Fescue	23%
Alsike Clover	14%
Hard Fescue	13%
Timothy	8%
White Clover	9%
Canada Bluegrass	4%
Redtop	2%
Fall Rye	5%
Perennial Lupine	2%

.2 In areas north of Squamish:

“M.O.T. South Coast Region 1 Grass Seed Mix” adjusted below with perennial Lupine seed and Fall Rye (or approved equivalent).

Perennial Ryegrass	20%
Creeping Red Fescue	15%
Alsike Clover	14%
Hard Fescue	12%
Timothy	15%
White Clover	9%
Canada Bluegrass	4%
Redtop	2%
Fall Rye	7%
Perennial Lupine	2%

c) The following shall be the grass fertilizers:

- Dolomite Lime
- Fertilizer (first application) - Equal volumes of Evergro Quick Start (13-26-6) and Evergro Total (23-3-23) (or approved equivalents)
- Fertilizer (second application) - Evergro Total (23-3-23) (or approved equivalent)

1.01.03 Execution

a) The following shall be the rates of application:

- Seed Mix - 100 kg/ha
- Dolomite Lime – as determined by the soil analysis report
- Fertilizer (first application) - Equal volumes of (13-26-6) and (23-3-23) combined - 400kg/ha (or as determined by the soil analysis report)
- Fertilizer (second application after 8 weeks) - (23-3-23) - 300kg/ha (or as determined by the soil analysis report)
- Mulch with Tackifier - 2000 kg/ha
- Tackifier – 80 kg/ha

Note that in highly erodable areas, environmentally sensitive zones and slopes steeper than 2:1 the mulch rate shall be increased to 2500 kg/ha. Other special accommodations may be required in highly erodable areas, environmentally sensitive zones and slopes steeper than 2:1 such as the use of Sediment Lok or Ecoblanket as determined by the Environmental

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Coordinator or the Landscape Architect.

b) Watering and maintenance shall be adequate to ensure proper germination and growth. The Contractor shall water grass areas minimum twice per week for the first four weeks following hydroseeding at no additional cost.

c) Hydroseed shall be completed between March 15th and April 30th or between September 1st and October 15th. Hydroseed application outside the specified windows is prohibited.

1.01.04 Maintenance

a. Eight weeks after the initial hydroseed application, a second hydroseed application of overseeding and refertilization shall be done at the specified rates.

b. Remove all invasive weeds including Scotch Broom and Blackberry.

END OF SECTION