

# CLIMATE ACTION

April 15, 2008

The Kicking Horse Canyon Project is at the forefront of innovation, applying research being conducted by the Ministry of Transportation and other agencies to quantify and minimize the direct (on-site) and indirect (embodied in the manufacture and delivery of materials) greenhouse gas (GHG) emissions associated with highway construction.

Measures to reduce GHG impacts from construction, many of which are already common MoT practice, include:

- Emphasizing the use of recycled materials in the production of steel, concrete, asphalt and aggregates
- Local sourcing where possible to reduce delivery-related emissions
- Use of biofuels and certified green electricity
- Mulching and use of organic waste on-site; sorting & recycling of other waste materials
- Revegetation of disturbed slopes; protecting, restoring and creating aquatic habitat



Straw “log” terraces are created to encourage moisture retention and improve surface soil stability while plantings of native vegetation become established.



On some steeper slopes, steel mesh is tightly anchored into the soil and underlying rock to prevent surface movement. Seeding follows to provide additional stability.