

Snapshots from the Sea-to-Sky . . .

December 11 • Number 20

Recycling pavement on-site

Recycling asphalt pavement is done to conserve resources of aggregates and petroleum products, and is one way of reducing the construction waste stream. There are numerous methods of recycling old pavement and as many ways to use the recycled material in road construction and re-paving. The primary recycling process used on the Sea-to-Sky Highway Improvement Project is called 'full-depth reclamation.' The pavement removal is done with a large machine called a 'reclaimer.' Using a rotating drum with large teeth, specified depths of the pavement and the sub-base, the layer of crushed rock below the pavement, are pulverized. The ground-up material is loaded on highway haul truck and moved a short distance where it is reused as sub-base for new paving.

P.S. *A secondary method of pavement recycling on the Sea-to-Sky Highway Improvement Project is 'cold milling,' and is used on the project when joining side-streets or at intersections. With this method, a cold milling machine 'shaves' a layer of old pavement to a specified depth. The textured road surface is still able to be used until new pavement is laid. This relatively small amount of removed old pavement is also recycled into sub base.*



This powerful track-mounted cold milling machine can shave a 79" swath of old pavement and can be controlled to go as deep as 13". The machine is easily moved from location to location.