## 2022 Winter& Summer Road Maintenance & projects completed

Winter	Maintenance:
	Applied 974 yards of traction E-chips to the service area Cold patched roads that where asphalt potholing was constant from the warm and wet winter Plowed and stored snow Steam thaw
Spring	/Summer Maintenance:
	Advanced pothole patching before spring grading of all dirt roads  Spring street sweeping of all paved roads, week of April 25 <sup>th</sup> Dust control, calcium chloride application all dirt roads, started May1st. Applied 62,400 lbs. of Calcium chloride Brushing of bike paths and roadways shoulders  Crack sealed 7,111 linear feet of asphalt roads  Remove abandon cars around town  Grade Roads as need
Fall Pro	pjects:
	Sweep streets Clean up leaves and clean out storm intakes Grade and compact all roads before freeze Brought in 200 Tons winter sanding chips. Winter 2019/20 required little sanding because of ideal conditions. Removed excavation pile of unusable to material to residents for landscaping fill
Airpo	rt Side Projects:
Arlberg	
	Grade and compact shoulders to maintain drainage Brushed shoulder and Pedestrian pathway Cleanout all Catch basins Repaired Halloween Storm damage at the end of Arlberg near the parking lot Repair steel casing on pad in front of Alyeska Hotel
Davos	Replaced culvert at 382 and 394 Davos Reshaped ditch line
Chyrsta	al Mountain
	Finished storm repairs at 301 Chyrstal Mountain. New culverts installed. Ditch cleaned of flood debris and reshaped with armor rock.
	r Way Clean out B-hive Fix Rocks on the downhill that have slide into the ditch

Olympic Mountain Loop  Clean out Catch-Basins Re-shoulder Curbs Clean off winter sand
<u>Timberline side:</u>
Alyeska View
☐ Repair rock armor at Day lodge parking lot entrance and 370 Alyeska View that was damage with the Halloween storm.
☐ Regraded road to match up with ditch lines
Alpina  Recycled Asphalt added to the entire road to harden the surface and improve the grade for drainage
Timberline
<ul> <li>□ Ditch line cleaning from 271 to 341 Timberline</li> <li>□ Ditching in front of 708 Timberline</li> <li>□ Recycled Asphalt added to Timberline to harden surface and improve drainage</li> <li>□ Ditching and culvert replacement from 725 to 811 Timberline. Armored with rock to strengthen</li> </ul>
Megeve  Driveway culvert replacement at 173 Megeve and cleaning of ditch line.
St. Mortiz
<ul><li>□ Completed Halloween storm damage</li><li>□ New culverts installed at 114 to 122 St. Mortiz</li></ul>
☐ Ditch line reshaped and armored with rock for strengthen and slow water.
Stowe
☐ Ditch line cleanout and reshape from 119 to 150 Stowe
<ul><li>□ Driveway culvert at 139 Stowe was reset for improved protection and flow of drainage water.</li><li>□ New Fish cross-culvert installed on creek near 119 Stowe.</li></ul>
Garmish
☐ Clean out Ditch line from Halloween storm damage
Kitzbuhel
<ul> <li>□ Replaced driveway culverts at 154 &amp; 172 Kitzbuhel</li> <li>□ Cleaned out ditch line down Kitzbuhel and Alpine Meadows to Loveland</li> <li>□ Installed new driveway culvert at 187 Kitzbuhel</li> </ul>
<u>Townsquare</u>
Girdwood Townsquare Roads
☐ All Parking and traffic lines were repainted

☐ Asphalt repaired in several locations
Mine Roads
Ruane Road
☐ Final repairs of the California creek culverts was completed, which included armoring of the banks hydroseeding and paving of the road surface
Sproat
☐ New cross-culvert installed at 621 Sproat Road. Road raised to provide better protection for new culvert
Hottentot Mine
☐ Ditch line cleaned out and reshaped.
Old Town Roads
Old Dawson
☐ Dug out ditch line along Old Dawson
Gold Avenue
☐ Ditch lines dug out at Gold and Old Dawson
Road Maintenance Yard
2022 Project and Beyond
<ul> <li>□ Electric to Bull rail</li> <li>□ Lights installed</li> <li>□ Build fence</li> <li>□ Continue stockpile of RAP and high-quality road material as it becomes available</li> <li>□ Crush pile of Bone rock to make useable gravel</li> <li>□ Shelter for sand storage</li> <li>□ Shelter for equipment</li> <li>□ Warm storage to replace City Hall</li> </ul>
Material order for 2022
<ul> <li>□ Recycled Asphalt</li> <li>□ Calcium Chloride</li> <li>□ E-chips</li> <li>□ Culverts</li> <li>□ Cement structures</li> <li>□ Rip Rap Boulders</li> <li>□ Road Fabric</li> </ul>

Example pictures of projects completed in 2022.



St. Mortiz drainage repair from Halloween storm



Chrystal Mountain culvert replacement from Halloween storm damage



Bank armoring after Halloween storm damage repair



Old Dawson ditch line clean out



Old Dawson

Steel Casing repair on concrete pad in front of Alyeska Loading dock





Old cross-culvert on Stowe



Accepted to the second second

Mesh screening to keep fish out of Stowe construction area

New pipe being installed with in-fill already installed

Final new fish passage culvert on Stowe



New driveway culvert at 173 Megeve



Winter Sand (E-chips) stockpile



Paving of Ruane road from Halloween storm damage repair





Final Paving New culverts on Ruane Road