



## Proposed Highway Improvements

### Key Characteristics of design improvements:

- (1) Widen 2-lane highway with alternating passing lane with wider shoulders for disabled vehicles and cyclists.
- (2) Re-alignment of highway near Powerline Hill to improve grades and provide better sightlines.
- (3) Existing Millar Creek culvert replaced with environmentally improved open bottomed arch to promote fish passage.
- (4) Existing at-grade railway crossing just south of Function Junction upgraded to grade-separated crossing to improve safety and mobility.
- (5) Close access to Whistler Waste Water Treatment Plant and addition of a visual barrier to shield the waste water treatment plant from view while travelling on the highway.
- (6) North Gateway treatment provided near Function Junction.

### Primary Goals for the Sea-to-Sky Highway Improvement Project :

- Achieve safety improvements
- Achieve reliability improvements
- Complete the project by late 2009
- Manage traffic flows during construction to minimize disruption and to maximize predictability
- Remain within the project budget of \$600 million

### Evaluation

	Issues	Benefits/Results
<b>Safety/Access</b>	<ul style="list-style-type: none"> <li>● Existing highway has inconsistent driving conditions and variations in safe driving speeds.</li> <li>● Potential for vehicle/train conflicts at level railway crossings.</li> <li>● Safe locations for disabled vehicles.</li> <li>● Existing northbound entry into urban Whistler at Function Junction doesn't provide "gateway" into community.</li> </ul>	<ul style="list-style-type: none"> <li>● Straightened curves and flattened grades improve driving conditions and provide for speed consistency.</li> <li>● Grade-separated railway crossing provided at Millar Creek eliminates vehicle/train conflicts.</li> <li>● Wider shoulders and pullouts will provide refuge opportunities for disabled vehicles.</li> <li>● Enhanced opportunities through highway improvements to provide effective "gateway" treatment into urban Whistler.</li> </ul>
<b>Mobility</b>	<ul style="list-style-type: none"> <li>● Lack of passing lanes results in vehicle back-ups and unsafe passing.</li> <li>● At-grade railway crossings result in delays to the traveling public when waiting for train passage.</li> <li>● Lack of additional lanes results in potentially long delays during incident response.</li> </ul>	<ul style="list-style-type: none"> <li>● Regularly spaced and long passing lanes provides for safer passing opportunities.</li> <li>● Grade-separated railway crossing at Millar Creek will eliminate delays.</li> <li>● Alignment improvements result in reduced incidents. Additional lanes result in better opportunities to direct traffic around incident locations.</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>● Existing culvert at Millar Creek does not promote fish passage.</li> </ul>	<ul style="list-style-type: none"> <li>● New open bottomed arch culvert at Millar Creek will have improved features and capacity to promote fish passage.</li> </ul>