






Noise

Highway traffic noise is a major contributor to overall transportation noise. Noise is measured in decibels (dB). A 3 dB change generally represents a barely noticeable change while a 10 dB change would be considered as twice as loud.

(More detail can be found in Section 5.12 of the DEIS)

impacts					
	 No-Action	 Alternative 1 EXISTING	 Alternative 3 EXISTING, TOLLED	 Alternative 4 REALIGNED	 Alternative 6 REALIGNED, TOLLED
Average change in noise by area*					
Elyria Swansea West (North of I-70)	<1 dB	3 dB North Option 2 dB South Option	3 dB North Option 2 dB South Option	<1 dB West Option 4 dB East Option	<1 dB West Option 4 dB East Option
Elyria Swansea East (North of I-70)	3 dB North Option <1 dB South Option	4 dB North Option <1 dB South Option	4 dB North Option <1 dB South Option	-7 dB	-7 dB
Elyria Swansea (South of I-70)	2 dB	<1 dB North Option 4 dB South Option	<1 dB North Option 4 dB South Option	-5 dB	-5 dB
Elyria Swansea (Along Realignment)	No Change	No Change	No Change	6 dB West Option 8 dB East Option	6 dB West Option 8 dB East Option
Montbello and Aurora	No Change	2 dB	2 dB	2 dB	2 dB
Commerce City	No Change	No Change	No Change	5 dB	6 dB
Mitigation	Noise walls will be placed along the alternatives in Elyria Swansea and Commerce City providing a reduction of at least 5 dB for residences.				

*Elyria Swansea West is the portion of the neighborhood west of the UPRR and Elyria Swansea East is the portion of the neighborhood east of the UPRR.