Travel Weighted Average PCI vs. Unweighted PCI

What Does "Travel Weighted" Mean?

Example:

PCI = 45	PCI = 65
ADT = 5000	ADT = 20000
Length = 1 mile	Length = 1 mile
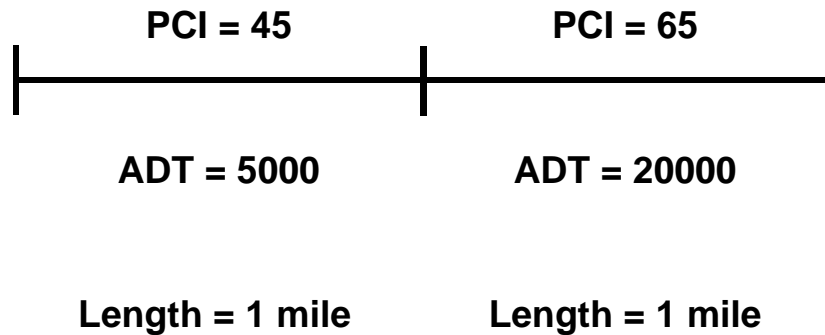
Unweighted Pavement Condition Index

$$\frac{45 + 65}{2} = 55$$

Travel Weighted Pavement Condition Index

$$\frac{(45 \times 5000) + (65 \times 20000)}{(5000 + 2000)} = 61$$