

## A12.2 Update factors for construction and maintenance costs

### Cost update factors

The factors for updating construction and maintenance cost estimates prepared in earlier years are:

**Table A12.1: Cost update factors**

Calendar year in which estimate prepared	Factor to adjust to July 2021
2013	1.17
2014	1.15
2015	1.14
2016	1.14
2017	1.11
2018	1.09
2019	1.06
2020	1.04

## A12.3 Update factors for benefits

### Benefit update factors

The factors for updating the benefit values in this manual are:

**Table A12.2: Benefit update factors**

Variable	Base Date	Factor to adjust to July 2021
Travel time cost savings <sup>TT</sup>	July 2002	1.59
Vehicle operating cost savings <sup>VOC</sup>	July 2015	1.15
Crash cost savings <sup>ACC</sup>	July 2015	1.10
Comfort benefits <sup>CB</sup>	July 2002	1.59
Driver frustration <sup>DF</sup>	July 2002	1.59
Passenger transport user benefits <sup>PT</sup>	July 2008	1.28
Walking and cycling benefits <sup>WCB</sup>	July 2018	1.06
Travel behaviour change benefits <sup>TBhC</sup>	July 2008	1.28
Emission reduction benefits	July 2015	1.15