

## Infrastructure Design Standards – Major Amendment Summary December 2018

This summary highlights amendments made for the December 2018 version, when compared to the July 2017 version. Grammar, corrections and updating of references are not included.

Clause references are to the new version unless stated otherwise.

Part/Clause	Paragraph	Amendment Details	Date
All	Improvement	<b>Hyperlinks</b> URLS updated to reference the correct documents	Aug 2018
All	Improvement	<b>Reference Documents</b> Missing or incorrect reference documents corrected. Dates removed to avoid incorrectly referencing an outdated document.	Aug 2018
All	Reference deleted	<b>Banks Peninsula District Plan</b> References to Banks Peninsula District Plan removed as now under Christchurch District Plan.	Aug 2018
1	Updated	<b>Purpose Statement</b> Purpose statement updated for clarity. It now reads “The purpose of the Infrastructure Design Standard is to provide the design standard for both Council funded assets and assets that will be vested with Council, through processes such as subdivision.”	Aug 2018
4	Updated	<b>Update</b> Remove the word ‘approved’ when referencing an “approved geo-professional” and updating to “the geo-professional”	Aug 2018
4.1	Deleted	<b>Remove</b> BRANZ (1987) Assessment of slope stability at building sites, Study Report 4	Aug 2018
4.1	Updated	<b>Reference Changed.</b> Remove IPENZ 2003 reference and replace with link to Engineering NZ Practice Notes and Guidelines	Aug 2018
4.1	Updated	<b>Reference changed</b> <i>Rockfalls: Characterisation and control.</i> National academy of sciences, 2013. (words “Due for publication late 2012” removed)	Aug 2018
4.1	New Reference	<b>Reference added,</b> Ministry of Business, Innovation and Employment. <i>Rockfall: Design considerations for passive protection structures.</i> Oct 2016	Aug 2018

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4.1	Deleted	<b>Reference removed.</b> IPENZ reference & link to Engineering NZ “Construction Monitoring Services”	Aug 2018
4.1	New Reference	<b>Reference added</b> <i>Guidelines for the geotechnical investigation and assessment of subdivisions in the Canterbury Region (Dec 2012)</i> . It was removed from previous version	Aug 2018
4.4.3	Updated	<b>Slope Stability</b> Third paragraph updated	Aug 2018
4.4.4	Updated	<b>Rockfall</b> Second paragraph updated	Aug 2018
4.4.10	Updated	<b>Liquefaction</b> Word “Landslide Risk Management” to read “Landslide Risk Management (AGS, 2007)”	Aug 2018
4.7	Updated	<b>Rockfall Hazard Mitigation</b> Clause updated	Aug 2018
5	New Reference	<b>Reference added</b> <i>New Zealand Fish Passage Guidelines</i> . This document was released in April 2017	Aug 2018
5.12.10	New Clause	<b>Fish Passage</b> Waterways and stormwater systems to be designed in accordance with the <i>New Zealand Fish Passage Guidelines</i> .	Aug 2018
6.14.1	Updated	<b>Pressure pipes</b> Correction. Change clause reference 6.8.7 to 6.8.6	Aug 2018
6.16.2	Updated	<b>Cured in Place Pipe Lining</b> <b>Remove</b> “design file” in second paragraph & <b>Replace with</b> “design life”.	Aug 2018
6.16.2	Updated	<b>Remove</b> Paragraph starting “Specify CIPP Liners” (not required)	Aug 2018
7.4.1	Updated	<b>Remove</b> paragraph starting “In urban areas...” (not required)	Aug 2018
8.1	Updated	<b>CPTED</b> Reference the national document 'National Guidelines for Crime Prevention through Environmental Design in New Zealand'	Aug 2018
8.1 8.3	Updated	<b>Link provided</b> Christchurch City Council Cycling Strategy – link provided to reference document	Aug 2018

Part/Clause	Paragraph	Amendment Details	Date
8.1 8.3	Updated	<b>Link provided</b> Christchurch City Council Metropolitan Christchurch Transport Statement – Link provided to reference document	Aug 2018
8.1	Updated	<b>Link provided</b> Christchurch City Council Christchurch Central Parking Plan (2015) – Link provided to reference document	Aug 2018
8.1 8.7.1	Updated	<b>Link provided</b> Canterbury Regional Council Canterbury Regional Public Transport Plan (2014) – link provided to reference document	Aug 2018
8.1	Updated	<b>Link provided</b> Ministry of Transport Getting there – on foot, by cycle – Link provided to reference document	Aug 2018
8.7	Updated	<b>Public Transport</b> Public transport routes and bus stops shall be shown on plans	Aug 2018
8.10.4	New Clause	<b>Over Dimension and Overweight Vehicles</b> New clause added to provide information and route maps	Aug 2018
8.11.6	Updated	<b>Traffic Signals</b> Paragraph updated for clarity	Aug 2018
8.16	Updated	<b>Pavement Design</b> Remove words “Other Considerations in the design...” for clarity	Aug 2018
8.16.4	Updated	<b>Head of Cul-de-sac Surfacing</b> Wording changed in IDS to “35mm AC10 for cul de sac heads” for consistency with CSS	Aug 2018
9.1	Updated	<b>Remove</b> <i>Worksafe Guide for Safety with Underground Services</i> clause as not required as part of IDS.	Aug 2018
10.1 & 10.2	Updated	<b>Title change</b> Change to: "Central City Lanes Report - Lanes Design Guide"	Aug 2018
10.1	Updated	<b>Title Change</b> Change to the 'National Guidelines for Crime Prevention through Environmental Design in New Zealand'	Aug 2018
10.9.11	Updated	<b>Tree Root Clearance</b> Table 2 updated to reference other utilities such as gas and telecom, as well as electricity	Aug 2018

Part/Clause	Paragraph	Amendment Details	Date
11	Updated	<b>Change</b> "Electricity Operator" to read "Electricity Distribution Asset Owner"	Aug 2018
11.1	Updated	<b>Remove</b> Reference to year ( as the set contains parts with several different years)	Aug 2018
11.4	Reference updated	<b>Remove bullet</b> > "Orion NW 72.21.01..."	Aug 2018
11.4	Addition	<b>Add new bullet</b> > Electricity Distribution Asset Owner's requirements	Aug 2018
11.4.1	Update	<b>Replace</b> "P3NZ of 0.26 lux" with "P3NZ shall be 0.26 lux"	Aug 2018
11.4.2	Update	<b>Replace</b> "P3" with "P3NZ"	Aug 2018
11.4.4	Addition	<b>Replace</b> "must" with "shall"	Aug 2018
11.4.8	Update	<b>Remove</b> "The design life of high pressure sodium lamps is 20 000 hours"	Aug 2018
11.4.8	Addition	<b>Add</b> Design life for lighting columns added and requirements for LED luminaries	Aug 2018
11.5	Addition	<b>Add new paragraph</b> Requirements for commissioning Luminaire Controllers	Aug 2018
11.6	Update	<b>Change</b> to Electricity Distribution Asset Owner	Aug 2018
11.6	Addition	<b>Add new bullet</b> > Luminaire Controller e.g. MAC ID	Aug 2018
11 Appendix I	Update	<b>Replace</b> "P3" with "P3NZ"	Aug 2018
12.1	New Reference	<b>Add</b> reference to Pump Station Design Specifications	Aug 2018

Part/Clause	Paragraph	Amendment Details	Date
12.1	Remove Reference	<b>Remove</b> <i>New Zealand Transport Agency Professional Services Guide Asset Owner's Manual PSG/15 as covered by reference New Zealand Transport Agency State Hugh Operations Manual</i>	Aug 2018
12.4	Update	<b>Change</b> Geospatial Datum to 'For all supplied geospatial data, use the Mt Pleasant 2000 projection, New Zealand Geodetic Datum 2000 (NZGD2000)	Aug 2018
12.4.2	Addition	<b>Add</b> "refer to IDS 5.4.4 for other Construction Records to be returned to CCC" after the current statement "Deliver asset data electronically using the CAT"	Aug 2018
12.4.3	Addition	<b>Add</b> "refer to IDS 6.3.3 for other Construction Records to be returned to CCC" after the current statement "Deliver asset data electronically using the CAT"	Aug 2018
12.4.4	Addition	<b>Add</b> "refer to IDS 7.3.3 for other Construction Records to be returned to CCC" after the current statement "Deliver asset data electronically using the CAT"	Aug 2018
12.4.5	Addition	<b>Add</b> new last paragraph Provide as-built records conforming to the SAG for all green assets located within, or that are going to be vested with, legal road. Deliver asset data electronically using the Streets CAT.	Aug 2018