



ACT
Government

Transport Canberra
and City Services

Roads ACT, Environmental Services

ENGINEERING ADVISORY NOTE

EAN 18

Relocation of Streetlight Columns

Background:

The ACT Government owns more than 80,000 lights on streets, footpaths, arterial roads and in various public parks and other open spaces around the ACT.

Any works associated with new lighting infrastructure, or modification to existing infrastructure, must be in accordance with TCCS Standards, Guidelines and Specifications, or as approved by a TCCS Authorised Officer.

For works involving the relocation of existing streetlight columns, the following applies:

Technical:

If the works require the relocation (of any distance) of a non-compliant streetlight column, it is the entity's responsibility to replace with a compliant streetlight to current TCCS Standards, at the entity's expense.

Concrete streetlight columns

Apart from dedicated Heritage areas, concrete streetlight columns do not comply with current Australian Standards, specifically AS1158 (parts 1- 6) – Lighting for Roads and Public Spaces. Concrete streetlight columns are no longer manufactured and do not comply with AS 1158.1.2:2010 – Section B 4.2 – Frangible Poles (pp72).

Where a proposal contains relocation of a concrete streetlight column, the below table must be used to determine an acceptable replacement treatment:

Existing Column type	Acceptable replacement	Outreach arm and luminaire
3.5, 4.5 and 6.5m concrete columns	6.5m column with 1.5m outreach arm (complete column)	Full cut off LED luminaire (typically 14-24W – 4000K)

9m concrete column	9m Direct Buried Impact Absorbing (DBIA) column	Existing outreach arm in a good condition can be reused. Damaged arms must be replaced with 3.5m outreach arm. Any existing LED luminaire in good working condition can be reused.
10.5m concrete column	10.5m DBIA column	Existing outreach arm in a good condition can be reused. Damaged arms must be replaced with either 3.5m or 4.5m outreach arm. Any existing LED luminaire in good working condition can be reused.
12m concrete column	12m DBIA column	Existing outreach arm in a good condition can be reused. Damaged arms must be replaced with either 3.5m or 4.5m outreach arm. Any existing LED luminaire in good working condition can be reused.
Twin arm concrete columns	Height of the existing column to be matched and DBIA column to be used	Existing outreach arm in a good condition can be reused. Damaged arms must be replaced with either 3.5m or 4.5m outreach arm. Any existing LED luminaire in good working condition can be reused.

Existing Steel streetlight columns

Non frangible street light columns, less than 5 years old, can be relocated provided they are not damaged during the relocation process.

Where a replacement of a steel streetlight column is required, the below table must be used to determine an acceptable replacement treatment:

Column type	Acceptable replacement	Outreach arm and luminaire
3.5, 4.5 and 6.5m Steel Columns	6.5m column with 1.5m outreach arm (complete column).	Full cut off LED luminaire (typically 14-24W – 4000K)
9m slip base or direct buried non frangible column	9m DBIA	Existing outreach arm in a good condition can be reused. Damaged arms must be replaced with 3.5m outreach arm.

		Any existing LED luminaire in good working condition can be reused.
10.5m slip base or direct buried non frangible column	10.5m DBIA	Existing outreach arm in a good condition can be reused. Damaged arms must be replaced with 3.5m outreach arm. Any existing LED luminaire in good working condition can be reused.
12m slip base or direct buried non frangible column	12m DBIA	Existing outreach arm in a good condition can be reused. Damaged arms must be replaced with 3.5m outreach arm. Any existing LED luminaire in good working condition can be reused.

Refer to current TCCS Standards, Specifications and Standard Drawings available on the TCCS Website.

<https://www.cityservices.act.gov.au/plan-and-build/standards-codes-and-guidelines>

Administrative Arrangement

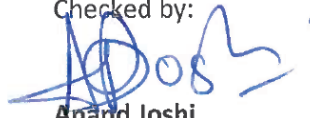
This Technical Direction will take effect from the latest date of endorsement.

Prepared by:



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Date: 12/5/2021

Checked by:



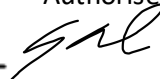
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