

APPENDIX 7C: TABLE OF STRUCTURAL CATEGORIES TO CG 300

Table 7C.1 Structural Categories to CG 300

Type of Structure	Category 0	Category 1	Category 2	Category 3
Any Bridge, buried structure, subway, underpass, culvert and any other structure supporting the highway, which is not identified elsewhere on this table	Any other structure with a clear span or internal diameter greater than 0.9m and less than 3m.	Any other structure with a clear span or internal diameter greater than 3m and less than 8m.	Any other structure with a clear span or internal diameter greater than 8m and less than 20m or with a skew greater than 25°, but less than 45°	Any other structure with a clear span or internal diameter greater than 20m or skew greater than 45°
Single span simply-supported structures having less than 25° skew	span greater than 0.9m and less than 5m.	span of 5m or greater but less than 20m	span of 20m or greater but less than 50m	span of 50m or greater
Single span simply-supported structures having greater than 25° skew, but less than 45° skew	Not Applicable	span greater than 0.9m and less than 5m.	span of 5m or greater but less than 20m	span of 20m or greater
Single span simply-supported structures having greater than 45° skew	Not Applicable	Not Applicable	Not Applicable	All
Buried concrete boxes, buried rigid pipes and corrugated steel buried structures having more than 1m cover	a clear span/diameter greater than 0.9m and less than 3m	clear span/diameter greater than 3m and less than 8m	a clear span/diameter greater than 8m and less than 20m	a clear span/diameter greater than 20m
Buried concrete boxes, buried rigid pipes and corrugated steel buried structures having less than 1m cover	Not Applicable	clear span/diameter greater than 0.9m and less than 8m	a clear span/diameter greater than 8m and less than 20m	a clear span/diameter greater than 20m
Multi-cell buried structures having more than 1m cover	cumulative span is greater than 0.9m and less than 5m	cumulative span is greater than 5m and less than 8m	cumulative span is greater than 8m and less than 20m	cumulative span is greater than 20m
Multi-cell buried structures having less than 1m cover	Not Applicable	cumulative span is greater than 0.9m and less than 8m	cumulative span is greater than 8m and less than 20m	cumulative span is greater than 20m
Masonry arches (for assessment only)	span greater than 0.9m and less than 6.5m	span greater than 6.5m and less than 8m	span greater than 8m and less than 20m	span greater than 20m

Moveable Bridges	Not Applicable	Not Applicable	Not Applicable	All
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Type of Structure	Category 0	Category 1	Category 2	Category 3
Bridges with suspension systems.	Not Applicable	Not Applicable	Not Applicable	All
Steel orthotropic decks	Not Applicable	Not Applicable	Not Applicable	All
Internal grouted duct form of post tensioned concrete structures.	Not Applicable	Not Applicable	Not Applicable	All
Overhead crossing carrying conveyor or utility service	Not Applicable	Not Applicable	span less than 20m	span greater than 20m
Moveable inspection access gantry, gantry rail and gantry support	Not Applicable	Not Applicable	Not Applicable	All
Earth retaining structure	the effective retained height, i.e. the level of the fill at the back of the structure above the finished ground level in front of the structure, is greater than 1.5m Earth retaining structures with an effective retained height of greater than 1.5m	Earth retaining structures with an effective retained height of 2.5 m or greater but less than 7m.	Earth retaining structures with an effective retained height of 7m or greater but less than 14m.	Earth retaining structures with an effective retained height of 14m or greater.
Reinforced/strengthened soil/fill structure, with hard facings to be designed and construction either in isolation or as an integral part of another highway structure	the effective retained height is greater than 1.5m	effective retained height of 2m or greater but less than 7m.	effective retained height of 7m or greater but less than 14m.	effective retained height of 14m or greater.
Portal and cantilever sign and/or signal gantry	Not Applicable	span of less than 20m	span greater than 20m, but less than 50m	span greater than 50m
Cantilever mast for traffic signal and/or speed camera	High masts ≤25m and not situated at a very exposed site as defined in CD 354.	High masts >25m or situated at a very exposed site as defined in CD 354.	Not Applicable	Not Applicable

Type of Structure	Category 0	Category 1	Category 2	Category 3
Post Top Lighting Columns	Less than 20 m nominal height and not situated at a very exposed site as defined in CD 354	Greater than 20 m nominal height or situated at a very exposed site as defined in CD 354	Not Applicable	Not Applicable
Lighting Columns with brackets	Less than 18 m nominal height with bracket projections not exceeding the lesser of 0.25 x nominal height or 3 metres and not situated at a very exposed site as defined in CD 354	Greater than 18 m nominal height or with bracket projections exceeding the lesser of 0.25 x nominal height or 3 metres or situated at a very exposed site as defined in CD 354	Not Applicable	Not Applicable
High mast	Greater than 20m in height i.e. the vertical distance from top of post to bottom of flange plate and not situated at a very exposed site as defined in CD 354	Greater than 20m in height or situated at a very exposed site as defined in CD 354	Not Applicable	Not Applicable
Mast for camera, radio and telecommunication transmission equipment	Nominal Height less than 25m and not situated at a very exposed site as defined in CD 354.	Nominal Height greater than 25m and not situated at a very exposed site as defined in CD 354.	Not Applicable	Not Applicable
Catenary lighting support system	All	Not Applicable	Not Applicable	Not Applicable
Environmental barrier	Less than 3m high and without overhangs	Environmental barriers 3m or more in height or with overhangs	Not Applicable	Not Applicable
Traffic sign/signal posts	More than 7m, but less than 9m in height (i.e. the vertical distance from top of post to bottom of flange plate or top of foundation whichever is the lesser) and not situated at a very exposed site as defined in CD 354.	Greater than 7m, but less than 9m in height (i.e. the vertical distance from top of post to bottom of flange plate or top of foundation whichever is the lesser) or situated at a very exposed site as defined in CD 354.	Not Applicable	Not Applicable