Dedicated to a better Brisbane

AMENDMENT REGISTER

Drawing No.	Rev.	Issue Date	Description
			INDEX – TRAFFIC (UMS 800 SERIES) (Cont.)
UMS 848	B	01/2011	Pavement markings, pedestrian, rail & bike crossings and transit lanes
UMS 849	C	01/2011	Pavement markings, bus lane details
UMS 850	B	09/2009	Typical pavement markings for parallel parking
UMS 851	A	02/2006	Bikeway pavement markings
UMS 852	B	01/2011	Pavement marking, centrelines on dual to single carriageways
UMS 853	A	09/2009	Typical pavement markings – signalised pedestrian crossing
UMS 854	A	09/2009	Typical pavement markings – signalised intersection crossing
UMS 855	A	09/2009	Raised pavement markers standard install for painted islands & medians
UMS 861	C	09/2009	Provision for cyclists on carriageway
UMS 862	C	01/2011	On–road bike lanes, four way intersection, lanes on all approaches
UMS 863	C	01/2011	On–road bike lanes, 'T' intersection, lanes on terminating leg
UMS 864	C	01/2011	On–road bike lanes, 'T' intersection, lanes on through road
UMS 865	C	01/2011	On–road bike lanes, four way intersection, lanes on non–priority road
UMS 866	C	01/2011	On–road bike lanes, four way intersection, lanes on priority road
UMS 867	C	01/2011	Bike lanes, roundabouts, lanes on all approaches
UMS 868	C	01/2011	Bike awareness zone, four way intersection, zones on non–priority road
UMS 869	C	01/2011	Bike awareness zone, four way intersection, zones all approaches
UMS 870	C	01/2011	Bike awareness zone, four way intersection, zones on priority road
UMS 871	C	01/2011	Bike awareness zone, 'T' intersection, zones on through road
UMS 872	C	01/2011	Bike awareness zone, 'T' intersection, zones on terminating leg
~~UMS 873~~		07/2007	Drawings withdrawn from service
UMS 874	C	01/2011	Bike lanes & awareness zones, markings at bus stops
UMS 875	B	07/2007	Bike lanes at signalised intersection, through movement only
UMS 876	B	07/2007	Bike lanes at signalised intersection, through & right turn movement
UMS 877	C	01/2011	Bike lanes at signalised intersection, left turn slip lane
UMS 878	A	07/2007	Bike lanes & awareness zones, commencement & termination details
		May 2007	**INDEX – ROAD NETWORK GUIDELINES (UMS 900 SERIES) (Sheet 1)**
		May 2007	**INDEX – ROAD NETWORK GUIDELINES (UMS 900 SERIES) (Sheet 2)**
UMS 901	B	05/2007	General design criteria local traffic areas in Brisbane City
UMS 902	B	05/2007	Coloured pavement threshold treatment general design and specification
UMS 911	B	05/2007	Roundabouts within local traffic area central island with concrete island
UMS 912	B	05/2007	Roundabouts within local traffic area fully mountable AC plateau
UMS 921	B	05/2007	Pedestrian refuge general design criteria
UMS 922	B	05/2007	Pedestrian refuge with kerb buildouts
UMS 923	B	05/2007	Pedestrian refuge provision at zebra crossing
UMS 924	B	05/2007	Pedestrian refuge supplementary details
UMS 931	B	05/2007	Intersection priority change general design criteria
UMS 932	B	05/2007	Modified T junction general design criteria
UMS 941	**D**	**07/2012**	**Speed platform – mid block general design criteria**
UMS 942	C	01/2011	Speed platform – intersection general design criteria
UMS 951	**B**	**07/2012**	**Diamond slow way general design criteria**

Drawing No.	Rev.	Issue Date	Description
			INDEX – ROAD NETWORK GUIDELINES (UMS 900 SERIES) (Cont.)
UMS 961	**B**	**07/2012**	**Angled slow way single lane – one way**
UMS 962	**C**	**07/2012**	**Angled slow way two lane – two way**
UMS 971	B	05/2007	Gateway to local traffic area general design criteria
UMS 981	B	05/2007	Precast traffic island codes and details (sheet 1 of 2)
UMS 982	B	05/2007	Precast traffic island codes and details (sheet 2 of 2)
UMS 991	D	01/2011	School crossing supervised
UMS 992	D	01/2011	Children's crossing supervised – with integrated or non–integrated kerb build–outs
UMS 993	C	01/2011	Children's crossing with pedestrian crossing (zebra) supervised
UMS 994	C	01/2011	Children's crossing with ped. crossing (zebra) supervised – with integrated/non–integrated kerb build–outs
UMS 995	A	01/2011	Children's crossing with pedestrian refuge supervised
UMS 996 to UMS 998			Drawing numbers not used
UMS 999	B	01/2011	School zone enhancement treatment pavement marking

SUPPLEMENTARY NOTES

Reference Specifications

The standard drawings must be read in conjunction with the relevant reference specifications. The Reference Specifications for Civil Engineering Work define default technical provisions acceptable to Brisbane City Council. These provisions are included but are not limited to the following elements:

- Material properties,
- Work execution standards,
- Compliance criteria,
- Construction tolerances, and
- Quality control testing.

Poor Subgrade

In the context of this document, subgrade is defined as the prepared formation on which a pavement or slab is constructed or the top portion of earthworks immediately below the pavement or slab. Subgrade is considered to be the top 150 mm in cuttings and the top 300 mm in embankment unless stated otherwise.

Treat fill subgrade as "poor" unless testing certificates are provided to demonstrate that fill materials have been compacted to achieve a minimum 95%%% standard relative compaction. The subgrade is considered "poor" if subject to one or more of the following conditions:

- Soaked CBR less than 5.
- Clays or silts with liquid limit >90 or plasticity index >60.
- Allowable bearing pressure <75 kPa.

Rule of thumb field identification of "poor" subgrade. Conduct tests on freshly exposed or excavated surfaces, ie prior to drying out.

Material	Field identification
Slow draining cohesive materials (silts, clays, sandy clays) – soft subgrade	– Easily penetrated with thumb – Moulded with strong pressure – Faint heel marks – Geologist's pick can be pushed in 30 or 40 mm (sharp end)
Free draining non–cohesive materials (gravels and clean sands) – loose subgrade	– Easily penetrated with 12 mm bar pushed by hand – Small resistance to shovelling
Fine grained soils having high plasticity	– Can be readily rolled into threads when moist – Greasy to the touch – Show considerable shrinkage on drying – Highly compressible soils