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CIRCULAR TO PROFESSIONAL INSTITUTIONS

Who should know

Building owners, developers, contractors, architects, engineers and transport / traffic consultants

Effective date

1st August 2024

REVISION TO STANDARD DETAILS OF ROAD ELEMENTS (SDRE)

1. This circular is to inform the industry on the latest update to the Standard Details of Road Elements (SDRE). This set of SDRE **Revision F** is issued based on the list of changes listed in **ANNEX**.
2. Please download the updated SDRE from LTA website using this link:

[http://www.lta.gov.sg/content/dam/ltagov/industry_innovations/industry_matters/development_construction_resources/Street_Work_Proposals/Standards and Specifications/SDRE/Content Page April 2024.pdf](http://www.lta.gov.sg/content/dam/ltagov/industry_innovations/industry_matters/development_construction_resources/Street_Work_Proposals/Standards_and_Specifications/SDRE/Content_Page_April_2024.pdf)
3. The updated SDRE was soft launched on 1st May 2024 and will be in place until 31st July 2024. The current version will be removed from website on 1st August 2024 and the new version of the SDRE will take effect from the same date.
4. For projects by LTA, changes to SDRE shall be effective and managed contractually by projects teams.
5. For projects by private developers and land developing agencies, changes to SDRE shall be effective from 1st August 2024.

6. Contracts that have been awarded and/or submissions that have obtained DC clearance prior to 1st August 2024 are encouraged to comply with the changes to SDRE at the BP stage. The changes to SDRE will not apply to developments that have obtained LTA's BP clearance prior to this date.
7. Please email nadarajah_thurairajasingam@lta.gov.sg and/or stella_eswari_sivachandra@lta.gov.sg on any queries pertaining to this revision of SDRE.

We would appreciate if you could convey the content of this circular to members of your respective organisations.

Thank you.



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Chapter	Drawing No	Chapter Name	Brief description of changes
Chapter 3	LTA/SDRE14/3/KER5 to KER10 & KER12	Footpath Ramp	<ul style="list-style-type: none"> - Added 300mm gap at centre of tactile strips on footpath ramp
Chapter 6	LTA/SDRE14/6/VIG8	Guardrails In Front of Column – With Adjoining Vehicular Impact Guardrails	<ul style="list-style-type: none"> - To provide clarity on location of VIG posts
Chapter 7	LTA/SDRE14/7/DIR7 & DIR8	Notes for Directional Signs	<ul style="list-style-type: none"> - Updated Tables 2, 3 and 4 to include spacing between (i) letter and bracket, and (ii) letter ‘j’ with other letters - Updated Table 6, the guidelines for spacing on the directional sign and Table 11 the placement of directional sign for consistency and clarity purpose
Chapter 8	LTA/SDRE/14/8/RMS1	Lane Markings	<ul style="list-style-type: none"> - Added guiding line type, circular markings for through traffic movements when it intersects another guiding line
	LTA/SDRE/14/8/RMS6 to RMS7 & RMS14	Typical Acceleration Lane at Expressway Guiding Lines and Turning Pockets at Intersections	<ul style="list-style-type: none"> - Updated the dimension to include 3.5m lane and shoulder within lane width - Additional type A9 & notes added on the usage of guiding lines
Chapter 11	LTA/SDRE/14/11/BUS1, BUS2 & BUS5	Bus bay / Layby for Authorised Vehicles & Bus Stop Layout and Elevation	<ul style="list-style-type: none"> - Incorporate new bus stop design with more user-friendly feature, better maintainability & weather protection including standardising the colour scheme - Provision of green roof - 30% of all seats shall be provided with arm rests and provide 1.8m clearance between safety bollards and seats - Provision of underground electrical conduit for future Passenger Information Display System (PIDS) - Use of off-site prefabricate modular construction for reconstruction of existing bus stop shelter - Provide faster discharge of surface water.
Chapter 18	LTA/SDRE/14/18/TFI8, TFI9 & 10	Traffic Informatory Signs	<ul style="list-style-type: none"> - Replaced the directional sign sample with more commonly used sample along expressway and other road - Standardized round corners for the blue box displaying the expressway destination on the directional sign, to

Chapter	Drawing No	Chapter Name	Brief description of changes
			<p>avoid blocking the other wordings on the directional sign and for aesthetical reason</p> <ul style="list-style-type: none"> - Added drawing to show quantitatively the radius of round corners for the blue box displaying expressway destinations on the directional sign in the design guidelines
Chapter 21	LTA/SDRE/14/21/CYC1 TO CYC9	Cycling	<ul style="list-style-type: none"> - Replaced yellow stop lines with tactiles for whole strip at crossing including for islands - Added 300mm gap at centre of tactile strips closer to pedestrian side - Bicycle LOOK box position left aligned for shared path not connected to dedicated cycling path - Removed “Give Way To Pedestrians” sign - Changed single “Watch Out For Vehicles” sign to double sign by moving “Stay On Track” sign there - Added cyclist logo at 50m interval - Directional tactile adjusted within shared path red dash line - Strips at 2200mm from end of cycling path - Replaced with the correct “Stay On Track” sign - Replaced yellow stop lines with tactiles for detail of bicycle LOOK box - Added detail for directional tactile tiles