■ Year 2030

6.4.11 ☑ Provide drawing of traffic flows/ turning movements in internal network for <u>all scenarios and all agreed peak period</u>.

6.4.12 ☑ Provide results of the link capacity analysis on links within the internal network for <u>all scenarios and all agreed peak periods</u>.

6.4.13 Link capacity analysis needs to be undertaken for all links within the masterplan. Typical link capacities and LOS definitions are included in Table 9-7 on page 50 and Table 9-4 on page 48.

6.4.14 The link capacity results may be presented in tabular format if only a small number of links needs to be analyzed. However, a drawing needs to be included showing all links that have been assessed. The table needs to include link reference, volume/ capacity ratio (v/c ratio) and corresponding Level of Service (LOS).

6.4.15 For larger networks a graphical presentation (drawing, Emme/3 print) of the link capacities is more appropriate and is recommended. The drawings need to show volume/ capacity ratio (v/c ratio) and corresponding Level of Service (LOS).

6.4.16 <u>For all links showing a v/c ratio > 0.7 further analysis will be required.</u> This usually entails analysis of the affected intersections or interchanges or any other qualitative assessment necessary (e.g. conflicts with parked vehicles/ queues from side streets/ driveways etc.; to be agreed with Reviewer).

6.4.17 ☑ Provide results for intersection analysis, weaving/ merging/ diverging in tabular format for <u>all scenarios and all agreed peak periods</u>. The analysis needs to be undertaken for all intersections/ links identified by the link capacity analysis and any other intersection that has to be amended or has a non-standard configuration.

6.4.18 ☑ Provide a drawing clearly indicating the location of each intersection and merging/ diverging/ weaving segment.

6.4.19 The intersection analysis results should be presented in the following format:

Intersection	Intersection			Worst Movement		
No.	Delay	LOS	v/c ratio	Delay	LOS	v/c ratio

6.4.20 The merging/ diverging analysis results should be presented in the following format:

Location	Freeway			Ramp			Density	LOS
	No. Lanes	Speed	Volume	No. Lanes	Speed	Volume		

6.4.21 The weaving analysis results should be presented in the following format: