

5.4 Traffic Impact of the Development

5.4.1 All analysis needs to be undertaken for all agreed peak periods and the following scenarios:

- Opening year without development (baseline traffic)
- Opening year with development
- Five years after opening year (STMP interval years) without development (baseline traffic)
- Five years after opening year (STMP interval years) with development
- Year 2030 without development (baseline traffic)
- Year 2030 with development

5.4.2 ☒ Provide results for intersection analysis, weaving/ merging/ diverging in tabular format for all scenarios and all agreed peak periods.

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

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

5.4.4 ☒ Provide a drawing clearly showing intersection locations and numbers.

5.4.5 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		

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

Location	Weave Type	No. of Weaving Lanes	Weaving Length	Freeway Speed	Density	LOS
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5.4.7 ☒ Provide a drawing clearly indicating the location of each merging/ diverging/ weaving segment.

5.4.8 ☒ Discuss the results. All movements that reach LOS E or F or exceed or equal $v/c \geq 0.9$ following implementation of the development will need to be discussed.

5.4.9 ☒ For each critical intersection (as per the above criteria) figures need to be included showing: conceptual intersection layout, lane configuration, phasing plan and movement volumes. Indicate the failing movement in the relevant figures.