



Figure 116: Eastern Freeway (Middleborough Road to Elgar Road) maximum 24 hour average NO₂ concentrations – 2036

Eastern Freeway (Elgar Road to Bulleen Road)

Table 85 shows the maximum predicted pollutant concentrations along the Eastern Freeway (Elgar Road to Bulleen Road), from traffic sources only. Maximum 24 hour average PM₁₀ and PM_{2.5} concentrations for the project case are predicted to occur on the southern side of the Eastern Freeway, approximately half way between Elgar Road and Doncaster Road. One hour and annual average NO₂ and annual average PM₁₀ and PM_{2.5} concentrations for the project case are predicted to occur on the northern side of the Eastern Freeway, close to the Elgar Road westbound exit ramp.

Table 85: Eastern Freeway (Elgar Road to Bulleen Road) – maximum receptor concentrations

Pollutant	Averaging period	Units	2026			2036		
			Base	Project	Change	Base	Project	Change
PM ₁₀	24 hour	µg/m ³	2.1	4.9	130%	2.2	5.4	145%
	Annual	µg/m ³	0.87	1.9	113%	0.91	2.0	123%
PM _{2.5}	24 hour	µg/m ³	1.7	4.0	136%	1.8	4.5	152%
	Annual	µg/m ³	0.71	1.5	117%	0.74	1.7	127%
NO ₂	1 hour	µg/m ³	32	60	87%	34	67	96%
	Annual	µg/m ³	4.6	8.5	85%	4.8	9.3	94%