



**Figure 110: Chandler Highway maximum 24 hour average NO<sub>2</sub> concentrations – 2036**

**Summary**

Maximum concentrations of all pollutants are predicted to decrease for the project over the base scenario in both 2026 and 2036, due to the re-routing of a significant proportion of HCVs from Chandler Highway through North East Link.

**11.6.8 Dalton Road**

Dalton Road was selected for modelling due to a predicted 50 per cent increase in HCVs between Childs Road and McKimmies Road (an increase of approximately 300 vehicles per day) and a 25 per cent increase in HCVs between the M80 Ring Road and McKimmies Road (an increase of approximately 400 vehicles per day) with the project in 2036.

Modelling was conducted between the M80 Ring Road and Childs Road as two separate carriageways, northbound and southbound. Each carriageway was divided into two road links, M80 Ring Road to McKimmies Road and McKimmies Road to Childs Road, with differing traffic volumes.

Receptors representative of the adjoining residential properties were positioned along Dalton Road at 50 metre intervals along both sides of the road from M80 Ring Road to Childs Road. Residential areas start approximately 200 metres from the M80 Ring Road intersection.

**Comparison of base and project model outcomes**

Table 82 shows the maximum predicted pollutant concentrations along Dalton Road, from traffic sources only. Maximum concentrations for all pollutants are predicted to occur approximately 270 metres from the intersection with the M80 Ring Road at the start of the residential area.