

Audit Summary Report

						IN PHASE 1
PCM Link	17377	Road/Location			A663, Oldham, Greater Manchester	Area NW
PCM predictions of NO₂ concentrations (µg/m³)						
Year	2018	2019	2020	2021	2022	2023
PCM Modelled NO ₂ concentration (µg/m ³)	34	33	31	29	28	26
Qualifying Feature						
Satellite imagery indicates Public Access and Sensitive Receptors within 15m from the PCM link.						
Air Quality Monitoring?						
Yes						
Is the Air Quality Monitoring within 10m, to support Phase 1 decision?						
No						
Air quality monitoring has been undertaken at a location representative of relevant receptors over recent years. Monitoring data from 2019 shows concentrations below the annual mean NO ₂ concentration of 40µg/m ³ .						
Mitigation required?						
Whilst PCM modelling is below the annual mean NO ₂ limit value, it is recommended for mitigation measures to be considered for this PCM link as part of Commission No. 3.						
Possible Mitigation Options						
KEY:		✘ - Not possible	✔ - Possible		? - More research required	
Option	Feasible to bring compliance forward?	Summary				
Source – reducing emissions from the SRN						

Electric vans	x	Research completed for Highways England indicates that it would only be possible to bring forward a maximum of 250 electric vans over the next few years in any one location. To achieve this would require the creation of a specialist centre.
Traffic Management	?	As part of Phase 1, it has not been possible to look into this measure in any great detail. However, as part of Phase 2 we will work with our traffic and operations colleagues to see if there are any attainable local traffic management measures, beyond speed limits, that could be applied in this locality and are likely to result in different driver behaviours to those seen in the research project. As part of Phase 1 we are unable to determine the likelihood of traffic management being an achievable measure along this PCM link.
Speed Management of 60mph	x	The average speed limit along the A663 is 35mph. Consequently, speed management would not be appropriate for this part of the network.
Bus Retrofit	x	It has been agreed with JAQU that given the incredibly small number of bus journeys on the motorway network this mitigation will result in no discernible reduction in NOx emissions along this link and therefore, this measure is not being progressed.
HGV Retrofit	x	No accredited retrofit system is currently available for HGVs nor is it known the mechanism for delivery. As such, it is anticipated that this measure would require a Government led scheme for delivery and Highways England is not able to progress this measure at this time.
Pathway – preventing the emissions reaching receptors		
9.5m high barrier	x	Emerging evidence based on air quality monitoring research undertaken by Highways England indicates a 2 – 5µg/m ³ reduction in annual mean NO ₂ concentrations behind a 9.5m overhanging barrier. This PCM link has been reviewed and based on professional judgement it is not considered possible to build a barrier at this location because of the physical constraints.
Tunnels / canopies, Bypass	x	The current programme to build a tunnel / canopy or a bypass is estimated to be at least between 5 – 10 years. This means that none of these measures could be delivered earlier than the reported compliance date set out in the PCM model.
Receptor – dealing with concentrations at the affected receptors		

