

ENVIRONMENTAL APPRAISAL SUMMARY – M1 Junction 11 Improvements

Junction 11 Improvements, providing additional capacity on diverge slip roads. Entry width to diverges and width of roundabout circulatory carriageway increased.		
ENVIRONMENTAL ISSUES	QUALITATIVE IMPACTS	EFFECT
Noise	Scheme would move a section of the N/B off-slip closer to the rear facades of a number of properties on Derby Road. However, noise levels at these properties would be dominated by traffic on the mainline and the increase in noise levels as a result of the Scheme would be negligible. Scheme would move a section of the S/B off-slip closer to the buildings and grounds of Challney High School. However, noise levels at the school would be dominated by traffic on the mainline and the increase in noise levels as a result of the Scheme would be negligible	Neutral
Local Air Quality	Air quality around Junction 11 has the potential for exceedances of Air Quality Limit Values in the baseline scenario.	Neutral
Greenhouse Gases	The scheme is anticipated to result in a negligible change in greenhouse gases.	Neutral
Landscape and Townscape	The existing motorway corridor has a negative and dominating effect upon the townscape and whilst the Scheme would add to the infrastructure, principally through gantries, the overall magnitude of change would be small. The Scheme would require demolition of 1 commercial property. Land take associated with the Scheme would be minimal. The Scheme offers some opportunity for localised improvements in the townscape.	Positive
Heritage of Historic Resources	The Scheme would result in no effect on archaeological or designed historic landscape assets, and no change to built heritage assets at Junction 11.	Neutral
Biodiversity	Potential adverse impacts on hedgerows, mature trees and bats in area affected by works.	Negative
Water Environment	Increased area of paved surface would result in increased volume of runoff to existing highway drainage system. No new pollution control measures to be provided with scheme hence potentially increased risk to receiving surface waters.	Negative
Physical Fitness	Signalised pedestrian crossings to be incorporated into J11 should improve facilities for non-motorised users but would not affect journey times.	Neutral
Journey Ambience	At Junction 11 by Year 15 there would be a slight beneficial effect derived from improved townscape and enhanced traveller experience both on the M1 and the A505 Dunstable Road. Scheme operation would have a beneficial effect on driver stress due to improved traffic flow and improved capacity at Junction 11.	Positive
Severance	Route currently well used by pedestrians and cyclists. Potential opportunity for improvements to signalised pedestrian crossings.	Neutral
Land Use Policy	Scheme would contribute to improvements in accessibility to various development areas. Scheme aims to minimise environmental impacts and has limited environmental impacts.	Neutral
Other Government Policies	The Scheme would improve the efficiency of the road network, thereby enabling journey times to decrease; reducing congestion and improving safety; and facilitating business efficiencies. These improvements would contribute to economic growth and housing development in the vicinity of the M1 corridor. While the Scheme would improve accessibility to employment, retail and leisure facilities, dependency on the car would not be lessened.	Neutral