



Appendix E

Section 2a:
N3/M50 Junction to R147
Navan Road Parkway
Junction Route Option
Assessment
MCA Table

Table E1.1: Section 2a - N3 / M50 Junction to R147 Navan Road Parkway Junction MCA

Appraisal Criteria	Sub-Criteria	Option AA1	Option AA2
1 Economy	1A Capital Cost	<p><i>Indicative Scheme Infrastructure Works Costs</i> - Quiet Street treatment along Castleknock Manor.</p> <p><i>Land Acquisition Cost</i> 226 sqm Private Land 0 sqm Public Land 1 Property affected</p>	<p><i>Indicative Scheme Infrastructure Works Costs</i> - Cycle track alongside Navan Road. - Bus Lane along length of Navan Road and slip-road</p> <p><i>Land Acquisition Cost</i> 226 sqm Private Land 847 sqm Public Land 1 Property affected</p>
	Rank		

Appraisal Criteria	Sub-Criteria	Option AA1	Option AA2
1 Economy	1B Transport Quality & Reliability	Journey Time Inbound: 2.4 mins Journey Time Outbound: 2.4 mins Length: 0.95 km No. of Junctions: 1 No. of Pedestrian Crossings: 1	Journey Time Inbound: 2.7 mins Journey Time Outbound: 2.7 mins Length: 0.95 km No. of Junctions: 1 No. of Pedestrian Crossings: 1
	Rank		
2 Integration	2A Land Use Policy	Integrates with existing residential, educational & leisure uses in this established area.	Integrates with existing residential, educational & leisure uses in this established area.
	Rank		
	2B Residential Population and Employment Catchments	Similar Catchment for all route options.	Similar Catchment for all route options.
	Rank		
	2C Transport Network Integration	Similar potential along all route options.	Similar potential along all route options.
Rank			

Appraisal Criteria	Sub-Criteria	Option AA1	Option AA2
2 Integration	2D Cycle Network integration	This route integrates with primary route 4 in a direct manner along Castleknock Manor.	This route does not integrate directly with primary route 4.
	Rank		
	2E Traffic Network Integration	Unchanged	Unchanged
	Rank		
3 Accessibility & Social Inclusion	3A Key Trip Attractors	All routes service the same trip attractors.	All routes service the same trip attractors.
	Rank		
	3B Deprived Geographic Areas	All routes serve areas of the same means from the Pobal Deprivation Index.	All routes serve areas of the same means from the Pobal Deprivation Index.
	Rank		

Appraisal Criteria	Sub-Criteria	Option AA1	Option AA2
4 Safety	4A Road Safety	No. of junctions: 1 No turn movements required. In terms of safety, Option AA1 is considered to be an improved arrangement of traffic and bus lanes (in the eastbound direction), with greater separation distance between merging of traffic lanes and the lane drop diverge at the Navan Road Parkway slip road junctions.	No. of junctions: 1 No turn movements required.
	Rank		
	4B Pedestrian Safety	Footpaths provided throughout. Signalised crossings at all major junctions.	Footpaths provided throughout. Signalised crossings at all major junctions.
	Rank		
5 Environment	5A Archaeology & Cultural Heritage	No recorded monuments affected in the area.	No recorded monuments affected in the area.
	Rank		
	5B Architectural Heritage	Minimal impact on protected structures.	Minimal impact on protected structures.
	Rank		
	5C Flora & Fauna	Requires the removal of 0 trees in public areas and 0 trees in private areas. Total trees impacted: 0	Requires the removal of 21 trees in public areas and 0 trees in private areas. Total trees impacted: 21
	Rank		
	5D Soils, Geology & Hydrology	No appreciable impact	No appreciable impact
Rank			

Appraisal Criteria	Sub-Criteria	Option AA1	Option AA2
5 Environment	5E Landscape & Visual	Land acquisition required from 1 property. No public land acquisition needed.	Land acquisition required from 1 property.
	Rank		
	5F Air Quality	Increased proximity of vehicles to residential properties due to road widening.	Increased proximity of vehicles to residential properties due to road widening.
	Rank		
	5G Noise & Vibration	Increased proximity of vehicles to residential properties due to road widening.	Increased proximity of vehicles to residential properties due to road widening.
	Rank		
	5H Land Use Character	This option would impact on private property development in places.	This option would impact on existing tree-lines at Castleknock Manor and require public land take at Castleknock Manor. It would impact on private property in places.
	Rank		