

APPENDIX 4e – ASSESSMENT OF THE LTP4 CUMULATIVE IMPACTS

SEA Objectives																			
Intervention	1. biodiversity	2. health of population	3. crime/safety	4. resources	5. waste disposal	6. water	7. soil	8. air/noise	9. sustainable transport	10. adapt to climate change	11. greenhouse gases	12. energy	13. landscape/ townscape/green spaces	14. historic environment	15. social exclusion	16. empowerment	17. employment/ economy	18. economic growth	19. vitality/viability of centres
Publicity	P+	P+	P+	P+	O	O	O	P+	✓	P+	P+	P+	P+	U	P+	P+	U	U	U
Education	O	P+	✓	O	O	O	O	P+	✓	O	P+	O	U	O	P+	P+	P+	P+	O
Network management/ maintenance	U	P+	P+	U	U	O	O	O	O	P+	P+	P-	P-	U	O	O	P+	O	P+
Bus improvements	P+	✓	P+	U	U	O	X	P+	✓	P+	P+	P+	U	O	✓	P+	P+	P+	P+
Small scale infrastructure/ road improvements	P-	P+	P+	U	U	O	O	U	P+	P+	P+	P+	U	U	U	O	P+	P+	U
Env/Sustainable modes infrastructure	U	✓	✓	U	U	O	P-	✓	✓	P+	✓	P+	P+	O	✓	P+	P+	P+	O
Major road infrastructure	X	U	P-	X	X	X	X	X	X	P-	X	X	P-	P-	P+	P+	✓	P+	P+
Major PT infrastructure	P-	P+	P+	U	U	P-	P-	U/P+	P+	P-	U/P+	P+	P-	P-	P+	P+	P+	P+	P+
Design/location of new developments	P+	✓	✓	U	U	O	P-	P+	✓	O	✓	P+	P+	O	P+	O	✓	✓	✓
Development Control interventions	U	✓	U	U	U	O	U	U/P+	P+	P-	P+	P+	U	P+	P+	O	✓	P+	✓
Road safety/speed restrictions	P+	O	✓	U	U	O	O	P+	P+	O	U	P+	U	O	U	O	P+	O	P+
Emissions	P+	P+	P-	O	O	O	P+	✓	✓	✓	✓	✓	P+	P+	O	O	P-	O	P+

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reductions																			
Pricing mechanisms/ restrictions	P+	P+	P+	U	U	O	O	P+	P+	O	P+	P+	P+	O	P-	P-	P-	P-	P-
Road Charging	P+	U	P+	U	O	O	P+	✓	✓	O	U	P+	U	O	X	X	X	X	O
Freight Controls	U	P+	P+	O	O	O	P+	U	O	O	U	U	U	O	O	U	U	O	P+
Specific Access	O	✓	✓	O	O	O	O	P+	✓	O	P+	P+	O	O	✓	✓	P+	P+	P+
Business Potential	U	P+	U	O	O	O	O	✓	✓	O	P+	P+	P+	O	P+	O	P+	P+	P+
Overall impact of interventions on the SEA objectives	P+	P+	P+	U	U	O	O	P+	✓	O	P+	P+	U	O	P+	O	P+	P+	P+

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Policy	1. biodiversity	2. health of population	3. crime/safety	4. resources	5. waste disposal	6. water	7. soil	8. air/noise	9. sustainable transport	10. adapt to climate change	11. greenhouse gases	12. energy	13. landscape/ townscape/green spaces	14. historic environment	15. social exclusion	16. empowerment	17. employment/ economy	18. economic growth	19. vitality/viability of centres
Accessibility	P+	✓	P+	U	O	O	O	✓	✓	U	✓	P+	P+	P+	✓	P+	P+	P+	P+
Active Travel - Cycling	✓	✓	✓	✓	✓	P+	P+	✓	✓	✓	✓	✓	✓	✓	✓	P+	✓	✓	✓
Active Travel - Walking	✓	✓	✓	✓	✓	P+	P+	✓	✓	P+	✓	✓	✓	✓	✓	P+	P+	P+	P+
Air Quality	✓	✓	O	U	O	O	O	✓	P+	U	✓	P+	P+	P+	P+	U	U	U	U
Airports	P+	P+	P-	O	O	O	P+	P+	✓	P-	P+	P-	P+	P+	U	U	P-	O	O
Asset Management	P+	P+	P+	P+	P+	P+	P+	P+	P+	P+	P+	U	U	P+	P+	P+	✓	O	P+
Buses	P+	P+	X	P+	O	P+	U	P+	✓	P+	U	U	P+	U	✓	P+	P+	P+	P+
Emissions Reduction	✓	✓	O	U	O	O	P+	✓	P+	U	✓	P+	P+	P+	P+	U	U	U	U
Environment	✓	P+	O	O	O	✓	P+	✓	P+	O	P+	✓	✓	✓	P+	P+	P+	O	P+
Growth & Transport Plans	P+	P+	P+	U	U	P+	U	P+	P+	U	P+	U	✓	✓	P+	✓	✓	P+	P+
Influencing Travel Behaviour	P+	P+	P-/P+	P-	O	O	O	P+	✓	U	P+	P+	U	P+	✓	P+	✓	✓	P+/P-
Managing New Development	X	P+	P-	O	P-	X	P+	P-	P+	U	P+	P+	P+	P-	P+	P+	✓	U	U
Network Management & Freight	P+	P+	P-	O	O	U	P+	P+	P+	✓	P+	P-	P+	P+	P+	U	✓	P+	✓
Rail	O	P+	X	P-	O	O	O	P+	✓	O	✓	P-	P+	P+	P-	P+	✓	P+	P-
Road Safety	P+	✓	✓	O	O	O	O	U	U	U	U	U	P+	P+	P+	U	O	O	O

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Transport User Hierarchy	✓	P+	P-	P-	P-	P+	P+	U	✓	U	U	U	P+	P+	P+	P+	P+	U	P+
Overall impact of policies on the SEA objectives	P+	P+	P-	O	O	O	P+	P+	✓	U	P+	P+/ U	P+	P+	P+	P+	✓	P+	P+

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Major Projects

Major Projects	1. biodiversity	2. health of population	3. crime/safety	4. resources	5. waste disposal	6. water	7. soil	8. air/noise	9. sustainable transport	10. adapt to climate change	11. greenhouse gases	12. energy	13. landscape/townscape/green spaces	14. historic environment	15. social exclusion	16. empowerment	17. employment/ economy	18. economic growth	19. vitality/viability of centres
A10 Buntingford	O	P+	P+	P-	O	P+	P+	P+	X	P+	X	P-	O	O	O	O	P+	O	P+
Bus Rapid Transit	P-	P+	P+/P-	X	X	P-	U	P+	✓	U	P+	P+	P+	P+/P-	P+	P+	P+	P+	P+
Sustainable Travel Towns	P+	✓	P+/P-	P+	P+	P+	U	P+	✓	P+	P+	P+	P+	P+	✓	P+	P+	P+	P+
Hertford Bypass	X	P+/U	P+/U	U	U	U	U	P+	P+	U	P+/p-	U	X	P+	P+	P+/U	P+	P+	P+
A414 junction improvements	P-	U	P+	X	X	P+	P+	U	U	P+	U	U	U	P+	U	O	P+	O	O
London Colney Roundabout	U	O	U	P-	P-	P+	U	U	U	P+	U	U	U	U	O	O	P+	O	O
Colney Heath Longabout	P+	P+	✓	P-	P-	P+	P+	U	O	P+	U	U	U	U	U	O	P+	O	O
Focus for cycling improvements	P+/P-	✓	P+	P-	P-	P-	P+	✓	✓	P-	P+	P-	P+	P+	P+	P+	P+	P+	P+
M1 junction 8	P-	P-	U	U	U	U	U	P+/P-	P-	U	P-	U	P-	U	P+	U	P+	P+	P+/P-
New Railway /stations	P-	U	P-	X	P-	O	O	P-	P+	P-	P+	P-	P+	P+	P-	O	✓	P+	P-
Passenger Transport Hubs	U	O	P-	P-	P-	P-	P-	P+	✓	P-	P+	P+	P-	O	P-	O	P+	P-	O

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Overall impact of major projects on the SEA objectives	P-	P+	P+	P-	P-	P+	U	P+	✓	P+	P+	U	P+	P+	P+	O	P+	P+	P+

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Corridors	1. biodiversity	2. health of population	3. crime/safety	4. resources	5. waste disposal	6. water	7. soil	8. air/noise	9. sustainable transport	10. adapt to climate change	11. greenhouse gases	12. energy	13. landscape/townscape/green spaces	14. historic environment	15. social exclusion	16. empowerment	17. employment/ economy	18. economic growth	19. vitality/viability of centres
Corridor 1	U	P+	P+	U	U	U	U	✓	✓	U	P+	P+	P+	P+	P+	P+	P+	P+	P+
Corridor 2	U	P+	P+	U	U	U	U	P+/ P-	P+	U	P+	P+	P+	P+	P+	P+	P+	P+	P+
Corridor 3	P+	P+	P+	U	U	U	U	P+	✓	P-	P+	P+	P+	U	U	P+	✓	P+	P+
Corridor 4	U	P+	P+	U	U	U	U	✓	✓	P-	P+	P+	U	P+	P+	P+	P+	P+	P+
Corridor 5	P+	P+	P+	U	U	U	U	✓	✓	U	P+	P+	P+	P+	P+	P+	P+	P+	P+
Corridor 6	P+	P+	P+	U	U	U	U	P+	✓	P-	P+	P+	U	U	P+	P+	P+	P+	P+
Corridor 7	P+	P+	P+	U	U	U	U	P+	✓	P-	P+	P+	U	U	P+	P+	P+	P+	P+
Corridor 8	P+	P+	P+	U	U	U	U	P+	✓	P-	P+	P+	P-	U	U	P+	P+	P+	P+
Overall impact of corridors on the SEA objectives	P+	P+	P+	U	U	U	U	P+	✓	P-	P+	P+	P+	P+/ U	P+	P+	P+	P+	P+

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Alternative Strategic Option	1. biodiversity	2. health of population	3. crime/safety	4. resources	5. waste disposal	6. water	7. Soil	8. air / noise	9. sustainable transport	10. adapt to climate change	11. greenhouse gases	12. energy	13. landscape/ townscape/green spaces	14. Historic Environment & Landscape	15. social exclusion	16. empowerment	17. employment/ economy	18. economic growth	19. vitality/viability of centres
Option 1	P-	P-	P+	X	X	U	X	X	X	U	X	P-	U	P+	P+/ P-	P+	✓	P+	U
Option 2	P+/ P-	P+	P+	X	X	U	U	P+	P+	U	P+	P+	P+	P+	P+	P+	✓	✓	✓
Option 3	P+/ P-	✓	✓	U	U	U	U	P+	✓	U	P+	P+	P+	P+	P+	P+	P+	P+	✓
Option 4	P+/ P-	P+	P+	P-	P-	U	U	P+/ P-	P+	U	P+	P+	P+	P+	P+	P+	P+	P+	P+
Overall impact of options on the SEA objectives	P+/ P-	P+	P+	X	X	U	U	P+	P+	U	P+	P+	P+	P+	P+	P+	✓	P+	✓