

APPENDIX 4 – CUMULATIVE ASSESSMENTS

PACKAGE 1 – HEMEL HEMPSTEAD EAST-WEST CORRIDOR, CUMULATIVE IMPACTS

Project/Scheme	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
PR8	U	P+	U	U	U	U	U	P+	P+	P-	P+	U	U	U	P+	P+	P+	U	P+
PR9	U	✓	P+/U	U	U	U	U	P+	✓	P-	P+	U	U	U	P+	P+	P+	U	P+
PR10	O	✓	U	U	U	U	U	P+	✓	P-	P+	U	U/O	U/O	P+	P+	P+	U/P+	P+
PR20	P+/P-	✓	P+	P+	P+	U	U	✓	✓	P+	✓	✓	P+	P+	✓	P+	P+	P+	P+
PR21	P+	✓	P+	P+	P+	U	U	✓	✓	P+	✓	P+	P+	P+	✓	P+	P+	P+	P+
PR22	P+/P-	✓	P+	P+	P+	U	U	✓	✓	P+	✓	P+	P+	P+	✓	P+	P+	P+	P+
PR69	P+	✓	P+	P+	P+	U	U	✓	✓	P+	✓	✓	P+	P+	✓	P+	P+	P+	P+
PR105	P+	✓	P+	P+	P+	U	U	✓	✓	P+	✓	✓	P+	P+	✓	P+	P+	P+	P+
PR106	P+	✓	P+	P+	P+	U	U	✓	✓	P+	✓	✓	P+	P+	✓	P+	P+	P+	P+
PR107	P+	✓	P+	P+	P+	U	U	✓	✓	P+	✓	✓	P+	P+	✓	P+	P+	P+	P+
PR108	P+	✓	P+	P+	P+	U	U	✓	✓	P+	✓	✓	P+	P+	✓	P+	P+	P+	P+
PR109	P+	✓	P+	P+	P+	U	U	✓	✓	P+	✓	✓	P+	P+	✓	P+	P+	P+	P+
SM2c	P-	P+	P+	U	U	P+	U	P-	✓	P+	P-	P+	P+	O	P+	P+	✓	P+	P+
SM4a	P+	P+	O	P+	P-	P+	U	P+	✓	P+	P+	U	U	P+	✓	P+	P+	P+	P+
SM5a	O	✓	U	P+	U	U	U	P+	✓	U	P+	U	P+	U	P+	P+	P+	P+	✓
SM7b	X	X	P-	X	X	P+	X	X	X	U	X	O	X	U	O	O	✓	O	P+
SM7c	P-	P-	P-	P-	P-	P+	P-	P-	P+	U	P-	O	P-	P-	P+	O	✓	O	P+
SM27	O	P+	U	U	U	U/O	U/O	P+	P+	U	P+	U	U	U	P+	P+	P+	U	✓
SM32	P+	P+	P+	P+	U	P+	P+	P+/U	P+/U	P+	P+/U	P+/U	P+	U	P+	P+/U	P+	P+	P+

Overall impact of projects/schemes on the SEA objectives	P+	✓	P+	P+	P+/U	U	U	✓	✓	P+	✓	✓/U	P+	P+	✓	P+	P+	P+	P+	

Key: ✓ Positive impact

P+ Potentially positive impact

O No relationship/link

U Uncertain/ Depends on implementation

P- Potentially negative impact

X Negative impact

PACKAGE 2 – MAYLANDS (HEMEL HEMPSTEAD)

Project/Scheme	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	14. historic environment	15. social exclusion	16. empowerment	17. employment/ economy	18. economic growth	19. vitality/ viability of centres
PR19	P+	P+	P-	P-	P-	U	U	P+	✓	O	P+	P+	U	U	P+	P+	P+	P+	P+
PR96	P+	P+	P-	P-	P-	U	U	P+	✓	O	P+	U	P+	O	P+	P+	P+	P+	P+
PR20	P+/P-	✓	P+	P+	P+	U	U	✓	✓	P+	✓	✓	P+	P+	✓	P+	P+	P+	P+
PR21	P+	✓	P+	P+	P+	U	U	✓	✓	P+	✓	P+	P+	P+	✓	P+	P+	P+	P+
PR22	P+/P-	✓	P+	P+	P+	U	U	✓	✓	P+	✓	P+	P+	P+	✓	P+	P+	P+	P+
PR27	P-	X	P-	X	X	O	X	X	P-	U	X	X	X	O	P-	O	U	U	O
PR28	P-	✓	U	U	U	O	O	P+	✓	P+	P+	O	P+	O	P+	P+	✓	P+	U
PR97	P-	✓	U	U	U	O	O	P+	✓	P+	P+	O	P+	O	P+	P+	✓	P+	U
PR98	P-	✓	U	U	U	O	O	P+	✓	P+	P+	O	P+	O	P+	P+	✓	P+	U
PR99	P-	✓	U	U	U	O	O	P+	✓	P+	P+	O	P+	O	P+	P+	✓	P+	U
PR30	P+	✓	P+	U	U	O	U	U	P+	O	P+	U	P+	P+	P+	U	O	P+	O
PR100	U	P+	P+	U	U	O	U	P+	P+	O	P+	P+	P+	P+	P+	P+	P+	O	O
PR101	U	P+	P+	U	U	O	U	P+	P+	O	P+	O	P+	P+	P+	P+	P+	O	O
PR111	P+	✓	P+	U	P+	U	U	✓	✓	P+	✓	O	P+	P+	✓	P+	P+	P+	O
SM6b	P-	P+	P+	O	U	U	U	U/P+	P+	U	P+	U	U	U	P+	P+	P+	P+	P+
SM7b	X	X	P-	X	X	P+	X	X	X	U	X	X	X	U	O	O	✓	O	P+
SM7c	P-	P-	P-	P-	P-	P+	P-	P-	P+	U	P-	P-	P-	P-	P+	O	✓	O	P+
SM10	P+	O	P-	O	O	O	O	✓	✓	O	✓	P+	P+	P+	P+	O	✓	P+	P+
SM29	P+	✓	P+	P+	P+	P+	U	✓	✓	✓	✓	✓	P+	P+	✓	P+	P+	P+	P+
Overall impact of projects/ schemes on the SEA objectives	P-	✓	P+	U	U	U/O	U	P+	✓	P+	P+	P+	P+	P+	P+	P+	P+	P+	P+

PACKAGE 3 – HEMEL HEMPSTEAD – LUTON CORRIDOR

Project/Scheme	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
PR19	P+	P+	P-	P-	P-	U	U	P+	✓	O	P+	P+	U	U	P+	P+	P+	P+	P+
PR96	P+	P+	P-	P-	P-	U	U	P+	✓	O	P+	U	P+	O	P+	P+	P+	P+	P+
PR35	P-	P-/U	P+	U	U	P-/U	P-/U	P+/U	X	P-	X	P-	P+	P+	P-	U	U	U	U
PR36	P+	✓	P+	P+	U	P+	P+	P+	✓	P+	P+	P+	P+	P+	P+	P+	P+/U	P+/U	P+/U
PR37	P+	✓	P+	P+	P+	U	U	✓	✓	P+	✓	✓	P+	P+	✓	P+	P+	P+	P+
PR112	P+	✓	P+	U	P+	U	U	✓	✓	P+	✓	O	P+	P+	✓	P+	P+	P+	P+
PR113	P+	P+	P+	U	U	U	U	✓	P+	P+	✓	O	P+	P+	✓	P+	P+	P+	P+
PR114	P+	P+	P+	U	U	U	U	✓	P+	P+	✓	O	P+	P+	✓	P+	P+	P+	P+
PR115	P+	P+	P+	U	U	U	U	✓	P+	P+	✓	O	P+	P+	✓	P+	P+	P+	P+
PR116	P+	P+	P+	U	U	U	U	✓	P+	P+	✓	O	P+	P+	✓	P+	P+	P+	P+
PR117	P+	✓	P+	O	U	U	U	✓	P+	P+	✓	O	P+	P+	✓	P+	P+	P+	P+
SM7b	X	X	P-	X	X	P+	X	X	X	U	X	X	X	U	O	O	✓	O	P+
SM7c	P-	P-	P-	P-	P-	P+	P-	P-	P+	U	P-	P-	P-	P-	P+	O	✓	O	P+
SM10	P+	O	P-	O	O	O	O	✓	✓	O	✓	P+	P+	P+	P+	O	✓	P+	P+
Overall impact of projects/ schemes on the SEA objectives	P+	P+	P+	U	U	U	U	✓	✓/P+	P+	✓	P+/O	P+	P+	✓	P+	P+	P+	P+

PACKAGE 4 – ST ALBANS – WATFORD CORRIDOR

Project/Scheme	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
SM13a	X	P+	U	X	P-	P-	P-	P+	✓	U	P+	U	X	U	P+	P+	P+	U	U
SM13b	U	P+	U	X	P-	P-	P-	U	P+	U	P+	U	U	U	P+	P+	P+	O	O
SM13c	U	P+	U	X	P-	P-	P-	U	P+	U	P+	U	U	U	P+	P+	P+	O	O
SM13d	U	P+	U	X	P-	P-	X	U	P+	U	P+	U	U	U	P+	P+	P+	O	O
SM16b	U	P+	U	P-	P-	P+	P-	P+	✓	O	P+	P+	P+/P-	P+	P+	P+	P+	P+	P+
SM20	P+	✓	P+	P+	P+	U	U	✓	✓	P+	✓	P+	P+	P+	✓	P+	P+	P+	P+
Overall impact of projects/ schemes on the SEA objectives	U	P+	U	X	P-	P-	P-	U	✓/P+	U	P+	U	U	U	P+	P+	P+	P+	P+

PACKAGE 5 – WESTERN WATFORD GATEWAY

Project/Scheme	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
PR45	U/O	P+	U	U/O	U/O	U/O	U/O	P+	✓	U/O	P+	P+/O	U/O	U/O	P+	P+	P+	U	P+/U
PR85	U/O	P+	U	U	U	U	U	P+	✓	U	P+	P+/O	U/O	U/O	P+	P+	P+	U	P+
SM12b	P-	✓	P-	P-	P-	P-	P-	P+/P-	✓	P-	P+	P-	P-	P+	P+	O	✓	P+	P+
SM21	U	✓	U	P+	U	U	U/O	P+	✓	U	P+	U	P+/U	P+/U	P+	P+	P+	P+	✓
SM28a	P+/U	✓	U	P+	U	P+	P+	P+	✓	P+	P+	P+	P+	U	✓	P+	✓	✓	P+
SM34	O	P+	U	U	U	P-	P-	P+/P-	✓	P-	P+	P-	P-	O	✓	O	✓	P+	✓
SM35	P-	✓	P+	U	U	O	U	✓	✓	P+	✓	O	P-	O	✓	P+	P+	P+	P+
Overall impact of projects/ schemes on the SEA objectives	U	✓	U	U	U	U	U	P+	✓	U	P+	P+	P-	U	P+	P+	P+	P+	P+

PACKAGE 6 – WATFORD – HEMEL HEMPSTEAD CORRIDOR

Project/Scheme	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	14. historic environment	15. social exclusion	16. empowerment	17. employment/ economy	18. economic growth	19. vitality/ viability of centres
PR8	U	P+	U	U	U	U	U	P+	P+	P-	P+	U	U	U	P+	P+	P+	U	P+
PR9	U	✓	P+/U	U	U	U	U	P+	✓	P-	P+	U	U	U	P+	P+	P+	U	P+
PR10	O	✓	U	U	U	U	U	P+	✓	P-	P+	U	U/O	U/O	P+	P+	P+	P+/U	P+
SM1	P-	X	P+	P-	P-	P-	P-	X	X	U	X	O	P-	P-	O	O	✓	O	P+
SM2c	P-	P+	P+	U	U	P+	U	P-	✓	P+	P-	P+	P+	O	P+	P+	✓	P+	P+
SM15	P+	P+	✓	P+	P-	U	U	P+	✓	U	P+	P+	P+	P+	P+	P+	P+	O	P+
SM17	✓	✓	P+	P+	P+	U	U	✓	✓	P+	✓	✓	✓	✓	P+	P+	P+	P+	P+
SM19a	U	P+	U	U	U	U	U	P+/P-	✓	U	P+	U	P-	U	P-	O	P+	O	P+
SM21	U	✓	U	P+	U	U	U/O	P+	✓	U	P+	U	U/P+	U/P+	P+	P+	P+	P+	✓
SM24	P+	P+	P+	P+	O	P+	P+	P+/U	P+/U	P+	P+/U	P+/U	P+	U	P+	P+	P+	P+	P+
SM30	P+/U	P+	X	P+	U	P+	U	P+	✓	U	U	U	P+	U	P+	P+	P+	P+	P+
SM31	P+/U	P+	X	P+	O	P+	P+	P+	✓	U	U	U	P+	P+	P+	P+	P+	P+	P+
SM32	P+	P+	P+	P+	U	P+	P+	P+/U	P+/U	P+	P+/U	P+/U	P+	U	P+	P+/U	P+	P+	P+
Overall impact of projects/ schemes on the SEA objectives	U	P+	P+/U	P+	U	U	U	P+	✓	U	P+	U	P+	U	P+	P+	P+	P+	P+

PACKAGE 7 – WATFORD CENTRAL

Project/Scheme	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	14. historic environment	15. social exclusion	16. empowerment	17. employment/ economy	18. economic growth	19. vitality/ viability of centres
PR66	O	✓	✓	U	U	O	O	P+	P+	U	P+	U	P+	P+	P+	P+	✓	P+	✓
PR104	O	✓	✓	U	U	O	O	P+	P+	U	P+	U	P+	P+	P+	P+	✓	P+	✓
PR70	P+	P+	P+	P+	P+	U	U	✓	✓	P+	✓	P+	P+	P+	P+	P+	P+	P+	P+
PR71	P+	P+	P+	P+/P-	P-	U	U	✓	✓	P+	P+	P+	P+	P+	✓	P+	P+	P+	P+
PR72	P+	P+	P+	P+	P+	U	U	✓	✓	P+	✓	P+	P+	P+	✓	P+	P+	P+	P+
SM14	U	P+	U	U	U	U	U	P+	✓	U	P+	O	P-	U	P+	U	P+	U	P+
SM15	P+	P+	✓	P+	P-	U	U	P+	✓	U	P+	P+	P+	P+	P+	P+	P+	O	P+
SM17	✓	✓	P+	P+	P+	U	U	✓	✓	P+	✓	✓	✓	✓	P+	P+	P+	P+	P+
SM18	U	U	P+	O	O	O	O	U	U	O	U	O	U	U	U	O	U	O	O
SM23b	O	P+	U	U	U	U/O	U/O	P+	P+	U	P+	U	P-/U	U	P+	P+	P+	U	✓
SM24	P+	P+	P+	P+	O	P+	P+	P+/U	P+/U	P+	P+/U	P+/U	P+	U	P+	P+	P+	P+	P+
SM25b	P-	O	U	P-	P-	O	P-	P+	X	O	P-	P-	P+/P-	P-	P-	O	P+	O	P+
SM26	O	P+	U	O	O	U	O	P+	P+	U	P+	P+	P+	P+	P+	U	P+	P+	P+
SM34	O	P+	U	U	U	P-	P-	P+/P-	✓	P-	P+	P-	P-	O	✓	O	✓	P+	✓
Overall impact of projects/ schemes on the SEA objectives	P+	P+	P+	P+/U	U	U	U	P+	✓	U	P+	P+	P+	P+	P+	P+	P+	P+	P+

PACKAGE 8 – WATFORD SOUTH

Project/Scheme	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	14. historic environment	15. social exclusion	16. empowerment	17. employment/ economy	18. economic growth	19. vitality/ viability of centres
PR110	P+	P+	O	O	O	O	O	P+	✓	O	P+	P+	P+	P+	P+	O	P+	O	O
PR40	P+	P+	U	U	O	P+	U	P+	✓	O	P+	P+	U	P+	P+	O	P+	O	O
PR102	P+	P+	U	O	O	O	O	P+	✓	O	P+	U	O	P+	P+	O	O	O	O
PR103	O	P+	O	O	O	O	O	P+	✓	O	P+	P+	P+	O	P+	O	P+	O	O
PR70	P+	P+	P+	P+	P+	U	U	✓	✓	P+	✓	P+	P+	P+	P+	P+	P+	P+	P+
PR71	P+	P+	P+	P+/P-	P-	U	U	✓	✓	P+	P+	P+	P+	P+	✓	P+	P+	P+	P+
PR72	P+	P+	P+	P+	P+	U	U	✓	✓	P+	✓	P+	P+	P+	✓	P+	P+	P+	P+
SM12b	P-	✓	P-	P-	P-	P-	P-	P+/P-	✓	P-	P+	P-	P-	P+	P+	O	✓	P+	P+
SM14	U	P+	U	U	U	U	U	P+	✓	U	P+	O	P-	U	P+	U	P+	U	P+
SM25b	P-	O	U	P-	P-	O	P-	P+	X	O	P-	P-	P+/P-	P-	P-	O	P+	O	P+
SM36	O	U/P-	U/P+	O	U	U/P-	O	P+/P-	P+/P-	U	P+/P-	O	O	O	P+	O	P+	U	U
Overall impact of projects/ schemes on the SEA objectives	P+	P+	U	P-	P-	U	U	P+	✓	P+	P+	P+	P+	P+	P+	P+/O	P+	P+	P+

PACKAGE 9 – RICKMANSWORTH

Project/Scheme	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	14. historic environment	15. social exclusion	16. empowerment	17. employment/ economy	18. economic growth	19. vitality/ viability of centres
PR80	P+	P+	P+	P+	P+	O	P+	✓	✓	O	✓	P+	P+	P+	✓	P+	P+	P+	P+
PR81	P+	P+	✓	P+	O	O	O	P+	P+	O	P+	P+	P+	P+	P+	P+	P+	P+	P+
PR82	P+	P+	P+	O	O	O	O	P+	P+	O	P+	P+	O	O	P+	O	O	O	O
PR83	U	P+	P+	P-	U	O	O	U	P+/U	O	O	O	O	O	U	O	O	O	O
PR86	P+	P+	P+	O	O	P+	O	P+	P+	U	P+	P-	P+	P+	P+	O	P+	O	P+
PR87	P+	P+	P+	O	O	O	O	P+	P+	O	P+	U	O	O	P+	O	O	O	O
SM28a	P+/U	✓	U	P+	U	P+	P+	P+	✓	P+	P+	P+	P+	U	✓	P+	✓	✓	P+
SM35	P-	✓	P+	U	U	O	U	✓	✓	P+	✓	O	P-	O	✓	P+	P+	P+	P+
Overall impact of projects/ schemes on the SEA objectives	P+	P+	P+	P+	U	P+/O	P+/O	P+	P+	P+	P+	P+	P+	P+/O	P+	P+/O	P+	P+/O	P+