

Appendix B – Infrastructure Identified by Infrastructure Operators

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Appendix B provides details of all the schemes that have been identified during the early part of the study. Similar to Appendix A, they are from various documented sources and are presented in a comparable way.

The Figures are as follows. Again they have a common key but only certain modes apply to each, as denoted by the titles.

Figure B 1 Bus: This shows the main locations of bus schemes;

Figure B 2 Rail: This shows the main locations of rail schemes. These are not necessarily site-specific so the most representative location has been used;

Figure B 3 Road: This shows the main areas of highway schemes;

Figure B 4 Other: This includes other issues, either those not related to the above categories or bus/rail problems that cannot easily be attributed to a particular district.

All the locations in the Figures have cross-reference numbers to relate them to Table B 1 to Table B 15, which follow the Figures in Appendix B. These tables provide more information, with the following column headings:

Label: This is the cross-reference from Figure B 1 to Figure B 4;

Doc_ID: This is the cross-reference to the information source in Appendix D;

Location: This specifies as accurately as possible the location of the intervention;

Description: This provides a brief explanation of the nature of the intervention;

Type: The mode in question;

Corridor: Particularly for rail, road and bus if applicable, this notes the corridor to which the scheme applies;

RSS Class: This column has been added to identify the scale of the scheme, whether strategic, regional or local. This will help later to attribute infrastructure costs and the extent to which these may be viable for inclusion in the CIL.

Existing/future: Denotes whether it has been possible to determine whether the measure is to deal with current or future problems;

Status: Where possible, denotes committed, programmed, aspirational etc;

Delivery: The likely delivery agency;

Cost: An indicative scheme cost where one has been supplied or documented.

Table B 1 to Table B 10 refer to each district, and the items in each table are sorted by mode. Table B 11 lists 'Other Infrastructure', relating either to strategic corridors, effects outside Hertfordshire that influence it. Table B 12 lists bus interchange schemes, Table B

13 lists bus corridor improvements, whilst Table B 14 and Table B 15 list rail and road corridor improvements respectively.

Table B 1: Broxbourne Infrastructure

Label	DocID	Location	Description	Type	Corridor	RSS Class	Existing/ Future	Status	Delivery	Cost (£k)
S10	27	Main Rail Line through Borough of Broxbourne	Investment in stations and track capacity on the main rail line	Rail	-	Regio	Existing	Prog	Rail Op	-
S11	27	Lea Valley Green Route	Improve Bus services linking the Lea Valley towns	Bus	-	Regio	Existing	Prog	Bus Op	-
S210	22	Broxbourne Station	Study re installation of Lifts	Walk	-	Regio	Existing	Aspi	District	-
S340	160	Broxbourne Essex Road	Improvement	Road	-	Local	Future	Aspi	Other	£4,000
S359	3	Waltham Cross	Waltham Cross Station Links	Road	-	Local	Existing	Aspi	Local HA	-
S366	27	Park Plaza	Improved access to key employment site	Other	-	Local	Existing	Prog	Local HA	-

Table B 2: Dacorum Infrastructure

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/Future	Status	Delivery	Cost (£k)
S12	1000	Tring Rail Station	Station Improvements (new building)	Rail	LonMid	Regio	Existing	Prog	Other	-
S13	1000	Hemel Hempstead	Western/ Northern bypass	Road	-	Regio	Existing	Prog	Other	-
S14	1000	Hemel Hempstead Station	Station improvements - adjacent land purchased by developer	Rail	-	Regio	Existing	Prog	Other	-
S16	40	Durrants Hill / London Road Junction	Signalisation	Road	-	Local	Existing	Prog	Local HA	-
S17	40	Featherbed Lane/ London Road	Improvements to Junction	Road	-	Local	Existing	Aspi	Local HA	-
S19	40	Durrants Hill Road Hemel Hempstead	Carriageway widening and Junction improvements	Road	-	Local	Existing	Prog	Local HA	-
S20	40	Durrants Hill Road Hemel Hempstead	New footpaths involving bridge widening or new footbridge	Walk	-	Local	Existing	Prog	Local HA	-
S21	40	Ebbens Road Hemel Hempstead	Creating links, enhancing the environment and convenience of existing paths	Walk	-	Local	Existing	Prog	Local HA	-
S215	22	Hemel Hempstead	DDA Access	Walk	-	Local	Existing	Aspi	District	-
S22	40	Weymouth Street Hemel Hempstead	Creating links, enhancing the environment and convenience of existing paths	Walk	-	Local	Existing	Prog	Local HA	-
S23	40	London Road (opposite Apsley Station) Hemel	Creating links, enhancing the environment and convenience of existing paths	Walk	-	Local	Existing	Prog	Local HA	-
S24	40	Kings Road	Footpath	Walk	-	Local	Existing	Prog	Local HA	-

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/ Future	Status	Delivery	Cost (£k)
		Berkhamsted	improvements							
S25	40	Berkhamsted High Street	Improve Street environment	Walk	-	Local	Existing	Prog	Local HA	-
S26	40	Berkhamsted High Street (Easteren Section)	Constrction of works to improve street environment	Walk	-	Local	Existing	Prog	Local HA	-
S28	40	Berkhamsted Rail Station	Railway Station safe guarded	Rail	LonMid	Regio	Existing	Prog	District	-
S281	40	Two Waters, Apsley and Nash Mills	New Cycle route between the three locations	Cycle	-	Regio	Existing	Prog	District	-
S282	40	Station Road Tring	Cycle route to station from centre of tring	Cycle	-	Local	Existing	Prog	Local HA	-
S283	40	Miswell Lane Tring	Cycle Route	Cycle	-	Local	Existing	Prog	Local HA	-
S30	40	Apsley Rail Station	Railway Station safe guarded	Rail	LonMid	Regio	Existing	Prog	District	-
S31	40	Breakspear Way Hemel hempstead	Junction improvements to increase capacity	Road	-	Local	Existing	Prog	Local HA	-
S33	40	Tunnel Fields/ New Road	Tunnel Fields link to new road	Road	-	Local	Existing	Prog	Local HA	-
S34	40	A4251 Corridor, Apsley	Safety & Traffic Calming Schemes	Road	A4251	Local	Existing	Prog	Local HA	-
S342	160	Waterhouse Square, Hemel Hempstead	Redevelopment	Dem Mgt.	-	Local	Future	Aspi	Other	-
S343	160	Maylands, Hemel Hempstead	Business Site	Dem Mgt.	-	Local	Future	Aspi	Other	-
S35	40	Maylands Avenue Industrial Area Lorry Park	Safeguarded	Road	-	Local	Existing	Prog	District	-
S360	3	Hemel Hempstead	London Road/ Station Road rbout improvements	Road	-	Local	Existing	Aspi	Local HA	-

Table B 3: East Herts Infrastructure

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/ Future	Status	Delivery	Cost (£k)
S219	2	Ware Road	Road Improvement	Road	-	Local	Existing	Prog	Local HA	£3,110
S220	142	East Hertford	12 Carriage Trains	Rail	FCC	Regio	Existing	Aspi	Rail Op	-
S228	160	Sacombe Pound	Junction Improvements	Road	-	Local	Existing	Aspi	Other	-
S287	11	Route from station to town centre	Improve pedestrain route	Walk	-	Local	Existing	Prog	Local HA	-
S288	11	Station Bridge Road	Improvements to Bridge	Walk	-	Local	Existing	Prog	Local HA	-
S289	11	A120	Formalising shared use	Cycle	A120	Regio	Existing	Prog	Local HA	-
S290	11	A1184	Formalising shared use	Cycle	A1184	Local	Existing	Prog	Local HA	-
S291	11	B1004	Formalising shared use	Cycle	-	Local	Existing	Prog	Local HA	-
S292	11	Dunmow Road Crridor	P & R	Bus	-	Local	Future	Prog	Local HA	-
S293	11	Junction of Station Road / West Road	Introduce Signals	Road	-	Local	Future	Prog	Local HA	-
S294	11	Streets parallel to A1184	Traffic Managment	Road	A1184	Local	Future	Prog	Local HA	-
S295	11	Dane Street	2- way	Road	-	Local	Future	Prog	Local HA	-
S296	11	A120 Junction	Junction capacity increase	Road	A120	Strat	Existing	Comm	Local HA	-
S300	2	A120 Bishops Stortfort	Bypass Dualing	Road	A120	Strat	Future	Aspi	Local HA	-
S301	2	River Stort	Pedestrian and Cycle Bridge	Walk	-	Local	Future	Aspi	Other	£2,190
S302	2	Sacombe Pound	Junction Improvements	Road	-	Local	Future	Aspi	Other	£2,900
S304	18	A120	Coach Link	Road	A120	Regio	Future	Aspi	Local HA	-
S331	160	A1184 Sawbridgeworth	Improvements	Road	A1184	Local	Future	Aspi	Local HA	-
S333	160	A120 Standon	Improvements	Road	A120	Regio	Future	Aspi	Local HA	-
S334	160	A414 Gascoyne Way	Improvements	Road	A414	Regio	Future	Aspi	Local HA	-
S337	160	Ware Road, Ware	Improvement	Road	-	Regio	Future	Aspi	Other	-

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/Future	Status	Delivery	Cost (£k)
S339	2	A414 through Hertford	Solution to congestion through Hertford	Other	A414	Local	Future	Aspi	Other	-
S349	158	A120 Bishop's Stortford Bypass Dualling	Bypass	Road	A120	Regio	Future	Aspi	Local HA	-
S37	43	Bishops Stortford	Enhancement of services	Rail	-	Regio	Existing	Prog	Rail Op	-
S38	43	Sawbridgeworth	Enhancement of services	Rail	-	Regio	Existing	Prog	Rail Op	-
S40	43	A120 Little Hadham	Safety and environmental conditions	Road	A120	Regio	Existing	Prog	District	-
S41	43	A120 Standon	Safety and environmental conditions	Road	A120	Regio	Existing	Prog	District	-
S42	43	A120 Bishops Stortford	Existing Bypass (Safety)	Road	A120	Regio	Existing	Prog	District	-
S43	43	A602 Bragbury End to Watton	Existing Bypass (Safety)	Road	A602	Regio	Existing	Prog	District	-
S44	43	A602 Wotton to Tonwell	Existing Bypass (Safety)	Road	A602	Regio	Existing	Prog	District	-
S45	43	A602 Tonwell to A10 Ware	Safety	Road	A602	Regio	Existing	Prog	District	-
S46	43	East Herts	Development of non - road freight through east herts	Other	-	Strat	Existing	Prog	Local HA	-

Table B 4: Hertsmere Infrastructure

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/Future	Status	Delivery	Cost (£k)
S286	10	Elstree and Borehamwood Rail Station	DDA access scheme	Other NMU	FCC	Regio	Future	Prog	Rail Op	-
S367	10	Elstree Way/ Shenley Rd	Safety Programme & Congestion Scheme	Road	-	Local	Existing	Comm	Local HA	-
S368	10	Stirling Corner	Safety Programme plus congestion and pollution reduction measures	Road	-	Local	Existing	Comm	Local HA	-
S4	56	A5183/A411 Elstree CrossRoads	Estree and Borehamwood Package Area, safety, congestion and pollution reduction measures	Road	A411	Local	Existing	Comm	Local HA	-
S408	167	Aldenham Rd	Aldenham Rd cycle route	Cycle	-	Local	Existing	Comm	Local HA	-
S415	167	Berry Grove roundabout	Casualty reduction	Road	-	Local	Existing	Comm	Local HA	-
S5	56	B556 Harper Lane/A5183 Watling Street	Radlett & Rural Package Area	Road	A5183	Local	Existing	Prog	Local HA	-
S6	56	Station Road/Allum Lane/ Theobald/ Shenley Road	Estree and Borehamwood Package Area, safety, congestion and pollution reduction measures	Road	-	Local	Existing	Comm	Local HA	-
S7	56	A411 Sparrows Herne/Catsey Lane/ Merry Hill Road	Bushey Package Area	Road	A411	Local	Existing	Prog	Local HA	-
S8	56	A41/B462 Hartspring Lane	Hartspring roundabout improvements	Road	A41	Regio	Existing	Comm	Local HA	-

Table B 5: North Herts Infrastructure

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/ Future	Status	Delivery	Cost (£k)
S102	1000	Stevenage	Possible Northern Link Road	Road	-	Regio	Existing	Aspi	Other	-
S104	107	Hitchin	Partial signalling renewal over 3 years	Rail	-	Strat	Existing	Prog	Local HA	-
S105	107	Letchworth	Letchworth train to terminate at welwyn Garden City	Rail	-	Regio	Existing	Prog	Rail Op	-
S106	107	A1 (M) Stevenage	Improve East - West Routes as part of the strategic connection with Luton and Stansted corridors	Road	A1(M)	Strat	Existing	Prog	Local HA	-
S243	2	Cadwell Lane, Hitchin	Signallisation	Road	-	Local	Existing	Prog	District	£710
S246	22	Letchworth	DDA Access	Rail	FCC	Regio	Existing	Aspi	District	-
S284	104	A1(M)/B197	East/West Distributor road north of stevenage from A1 (M)/B197	Road	A1(M)	Local	Future	Prog	Developer	-
S285	104	A1(M)/A602	Link road between A1(M) and A602 Wymondsley Bypass	Road	A1(M)	Regio	Future	Prog	Local HA	-
S328	22	Hitchin	Hitchin Fly-over	Rail	-	Regio	Future	Aspi	Other	-
S353	1001	Hitchin Station	Hitchin Station Forecourt improvements	Rail	-	Regio	Existing	Comm	Rail Op	-
S355	1001	Hitchin	Cadwell Lane/ Grove Road Industrial Estate link	Road	-	Local	Existing	Prog	Local HA	-

Table B 6: St Albans Infrastructure

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/ Future	Status	Delivery	Cost (£k)
S232	2	Watford - St Albans	Abbey Line & Bricket Wood Passing Loop	Rail	-	Regio	Existing	Prog	Local HA	-
S233	22	St Albans Station	Installation of Lifts	Walk	FCC	Regio	Existing	Prog	District	-
S234	22	Harpenden	DDA Access	Walk	FCC	Local	Existing	Aspi	District	-
S235	22	Harpenden	Interchange Improvements	Bus	FCC	Regio	Existing	Aspi	District	-
S241	160	Harperbury Hospital, London Colney	Harperbury Hospital	Dem Mgt.	-	Local	Existing	Aspi	Other	-
S361	3	St. Albans	Victoria St/ Marlborough Rd	Road	-	Local	Existing	Comm	Local HA	-
S363	3	Harpenden	Victoria Rd/ Station Rd	Road	-	Local	Existing	Prog	Local HA	-
S371	166	St Albans	Heron's Way cut through widening and lighting	Walk	-	Local	Existing	Prog	Local HA	£15
S372	166	St Albans	Lemsford Road/ Avenue Road crossing	Walk	-	Local	Existing	Prog	Local HA	£25
S373	166	St Albans	Lemsford Road/ Sandpit Lane crossing	Walk	-	Local	Existing	Prog	Local HA	£25
S374	166	St Albans	Victoria St advance stop lines	Cycle	-	Local	Existing	Prog	Local HA	£5
S375	166	St Albans	St Albans City Hospital cycle routes	Cycle	-	Local	Existing	Prog	Local HA	£30
S376	166	St Albans	Covered cycle parking	Cycle	-	Local	Existing	Comm	Local HA	£4
S377	166	St Albans	Covered cycle parking town centre locations	Cycle	-	Local	Existing	Comm	Local HA	£8
S378	166	St Albans	Covered cycle parking leisure centres	Cycle	-	Local	Existing	Comm	Local HA	£8
S379	166	St Albans	St Peters St SCOOT and signal rephasing nad potential traffic ban	Bus	-	Local	Existing	Aspi	Local HA	-
S380	166	St Albans	Holywell Hill signal co-ordination and re-	Bus	-	Local	Existing	Aspi	Local HA	-

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/Future	Status	Delivery	Cost (£k)
			phasing and removal of appropriate parking bays							
S381	166	St Albans	London Rd signal co-ordination and rephasing, parking and loading restrictions, and yellow hatching	Bus	-	Local	Existing	Aspi	Local HA	-
S382	166	St Albans	Victoria St improvements inc. signal co-ordination & re-phasing & moving stop nearest St Peters St	Bus	-	Local	Existing	Aspi	Local HA	-
S383	166	St Albans	P&R serving St Albans and strategic bus and coach services to e.g. Hatfield, location undertermined	Bus	-	Regio	Existing	Aspi	Local HA	-
S384	166	St Albans	Hatfield Rd bus corridor improvements	Bus	-	Regio	Existing	Prog	Local HA	£100
S385	166	St Albans	City Centre-Station shuttle bus for 5 years	Bus	-	Regio	Existing	Prog	Local HA	£200
S386	166	St Albans	Citywide automatic at stop information display	Bus	-	Local	Existing	Prog	Local HA	£500
S388	166	St Albans	Abbey Station accessibility improvements	Rail	-	Regio	Existing	Aspi	Rail Op	-
S389	166	St Albans	Alban Way crossing improvements at Sutton Road and Hill End Lane	Walk	-	Local	Existing	Prog	Local HA	£40
S390	166	St Albans	Camp Rd improvements including build outs improved signage and	Walk	-	Local	Existing	Prog	Local HA	£40

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/ Future	Status	Delivery	Cost (£k)
			ped crossing at Dellfield							
S391	166	St Albans	Hatfield/ Clarence/ Camp Roads junction improvements	Road	-	Local	Existing	Prog	Local HA	£25
S392	166	St Albans	SCOOT around the western orbital route	Road	-	Regio	Existing	Prog	Local HA	£100
S393	166	St Albans	SCOOT on the A414 at junctions with M10 and A1081	Road	-	Regio	Existing	Prog	Local HA	£100
S394	166	St Albans	Outer Cordon VMS, various locations	Dem Mgt.	-	Regio	Existing	Prog	Local HA	£500
S395	166	St Albans	School travel plans and travel plan measurees, various locations	Dem Mgt.	-	Local	Existing	Comm	Local HA	£50
S396	166	St Albans	Employment and area wide travel plans	Dem Mgt.	-	Regio	Existing	Aspi	Local HA	-
S397	166	St Albans	Personalised and residential travel planning, various locations	Dem Mgt.	-	Local	Existing	Aspi	Developer	£120
S398	166	St Albans	Interactive travel information kiosks, various locations	Dem Mgt.	-	Local	Existing	Aspi	Local HA	£20
S48	1000	Hemel Hempstead M1 junction	Maylands masterplan, proposal for P+R to serve the business park and town centre	Bus	-	Local	Existing	Prog	Other	-
S50	91	St Albans	Potential bus priority measure between Hatfield, St Albans City Station and St Albans Abby Station	Bus	-	Regio	Existing	Prog	Local HA	-

Table B 7: Stevenage Infrastructure

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/Future	Status	Delivery	Cost (£k)
S109	107	A602 Stevenage	Pedestrian access to the J8 employment site is recommended	Walk	A602	Local	Existing	Prog	Local HA	-
S110	107	North Road Stevenage	Pedestrian access to the J8 employment site is recommended	Walk	-	Local	Existing	Prog	Local HA	-
S111	107	Fishers Green Road, Stevenage	Cyclists and pedestrian Routes across the A1(M)	Cycle	-	Local	Existing	Prog	HA	-
S114	107	Meadway, Stevenage	Cyclists and pedestrian Routes across the A1(M)	Cycle	-	Local	Existing	Prog	HA	-
S119	107	Rectory Lane, Stevenage	Cycle routes to connect the Stevenagebury development into the cycle network.	Cycle	-	Local	Existing	Prog	Developer	-
S120	107	A602 Hitchin Lane, Stevenage	Cycle access to the J8 employment site	Cycle	A602	Strat	Existing	Prog	Local HA	-
S121	107	North Road, Stevenage	Cycle access to the J8 employment site	Cycle	-	Local	Existing	Prog	Local HA	-
S122	107	Bessemer Drive, Stevenage	Widening of road, primarily to facilitate bus movement	Bus	-	Local	Existing	Prog	Local HA	-
S123	107	Superstore Access on Hitichin Road	Bus Priority - Selective vehicle detection at signalised junctions	Bus	-	Local	Existing	Prog	Local HA	-
S124	107	Monkswood way, Stevenage	Bus Priority - Selective vehicle detection at signalised junctions	Bus	-	Local	Existing	Prog	Local HA	-
S125	107	Six Hills Way/Lytton Way Roundabout	Bus Priority - Enhanced Capacity	Bus	-	Local	Existing	Prog	Local HA	-
S126	107	Six Hills Way/St George's Way	Bus Priority - Enhanced Capacity to	Bus	-	Local	Existing	Prog	Local HA	-

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/Future	Status	Delivery	Cost (£k)
		Roundabout	reduce eastbound queues on Six Hills way							
S127	107	FairLands Way westbound, Stevenage	Bus Priority - Bus lane on the approach to Lytton way	Bus	-	Local	Existing	Prog	Local HA	-
S128	107	Gunnels Wood Road/A602 Broadhall	Bus Priority - Capacity enhancements/bus priority at junction where both road meet	Bus	A602	Regio	Existing	Prog	Local HA	-
S129	107	Gresley Way, Stevenage	Signalisation of the Juctions	Bus	-	Local	Existing	Prog	Local HA	-
S130	107	The White Way, Stevenage	Signalisation of the Juctions	Bus	-	Local	Existing	Prog	Local HA	-
S131	107	Fairlands Way, Stevenage	Signalisation of the Juctions	Bus	-	Local	Existing	Prog	Local HA	-
S132	107	Mobbsbury Way, Stevenage	Signalisation of the Juctions	Bus	-	Local	Existing	Prog	Local HA	-
S134	107	A1 (M) Stevenage	Passage under or over A1(M) to link the new development to Stevenage to reduce local traffic use o*	Road	A1(M)	Regio	Existing	Prog	Developer	-
S258	160	GlaxoSmithKline Medicines Research Centre	Office expansion	Dem Mgt.	-	Local	Existing	Aspi	Developer	-
S311	18	East Coast Mainline	Great Eastern Mainline Imps	Rail	-	Strat	Future	Aspi	Other	-
S336	160	A602 Gunnells Wood Road Rdbt	Improvement	Road	A602	Regio	Future	Aspi	Local HA	-
S364	3	Stevenage	A602/Coreys Mill Lane	Road	A602	Regio	Existing	Comm	Local HA	-
S400	107	Stevenage Weston Rd	Proposed Cycle Lane	Cycle	-	Local	Existing	Prog	Local HA	-
S401	107	Stevenage Canterbury Way	Proposed Cycle Lane	Cycle	-	Local	Existing	Prog	Local HA	-

Table B 8: Three Rivers Infrastructure

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/Future	Status	Delivery	Cost (£k)
S2	122	Three Rivers - Rickmansworth	Controlled Parking zones to facilitate residents parking throughout Rickmanswoth	Road	-	Local	Existing	Prog	District	-
S405	167	Oxhey	Cowarch cycle link	Cycle	-	Local	Existing	Comm	Local HA	-
S406	167	St Clements Dane School	Cycle facility	Cycle	-	Local	Existing	Comm	Local HA	-
S410	167	Tolpit Lane	Tolpits Lane bus link	Bus	-	Local	Existing	Comm	Local HA	-
S412	167	Kings Langley	Ovaltine safety and traffic management scheme	Road	-	Local	Existing	Comm	Local HA	-

Table B 9: Watford Infrastructure

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/ Future	Status	Delivery	Cost (£k)
S107	40	St Albans Road	Watford Junction redevelopment including the Colonial Way link	Other	-	Regio	Existing	Prog	Local HA	-
S252	7	Watford Junction	Creation of Rail Interchange	Rail	-	Strat	Existing	Prog	District	£15,200
S402	167	Wiggenhall Rd/ Farraline Rd	Pedestrian Crossing	Walk	A4178	Local	Existing	Comm	Local HA	-
S403	167	A41 near M1	Cycle crossing for NCR6/ 61	Cycle	A41	Regio	Existing	Comm	Local HA	-
S404	167	Cassiobury Hall to High St	Town Hall cycle link	Cycle	-	Local	Existing	Comm	Local HA	-
S407	167	Garston	Parmiters cycle path	Cycle	-	Local	Existing	Comm	Local HA	-
S409	167	Bushey Arches	Bushey Arches cycle and pedestrian improvements	Cycle	-	Local	Existing	Comm	Local HA	-
S411	167	Bushey Arches	Bushey Arches junction improvements	Road	A411	Local	Existing	Comm	Local HA	-
S413	167	Bushey Hall Rd/ Bushey Grove Rd	Safety scheme	Road	-	Local	Existing	Comm	Local HA	-
S414	167	South West Herts	VMS on major routes	Road	-	Local	Existing	Comm	Local HA	-
S416	167	Dome Superstore Access	Casualty reduction	Road	A41	Regio	Existing	Comm	Local HA	-
S417	167	Town Hall roundabout	Casualty Reduction	Road	A412	Local	Existing	Comm	Local HA	-
S418	167	Watford town centre	Extension of VMS	Dem Mgt.	-	Local	Existing	Comm	Local HA	-
S419	167	Watford	Automatic Vehicle Location to enhance RTPI	Bus	-	Local	Existing	Comm	Local HA	-
S420	167	Fields Schools	Safer Routes to Schools	Other	-	Local	Existing	Comm	Local HA	-

Table B 10: Welwyn Hatfield Infrastructure

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/ Future	Status	Delivery	Cost (£k)
S100	107	Digswell	Key Switch & Crossing renewals	Rail	-	Regio	Existing	Prog	Local HA	-
S101	107	Woolmer Green	Key Switch & Crossing renewals	Rail	-	Regio	Existing	Prog	Local HA	-
S278	6	Campus East, WGC	Access to Redevelopment Site	Dem Mgt.	-	Local	Future	Prog	Developer	-
S279	6	Broadwater Road, WGC	Access to Redevelopment Site	Dem Mgt.	-	Local	Future	Prog	Developer	-
S280	6	Town Centre, WGC	Access to Town Centre Redevelopment	Dem Mgt.	-	Local	Future	Prog	Developer	-
S53	6	QE2 Hospital, WGC	Pedestrian Crossings	Walk	-	Local	Existing	Prog	Local HA	£80
S54	6	Mundells, WGC	Lighting / Signing	Walk	-	Local	Existing	Prog	HA	£30
S55	6	Stonehills, WGC	Pedestrianise Stonehills	Walk	-	Local	Existing	Prog	Local HA	£5
S56	6	The Campus, WGC	Pedestrian Crossings	Walk	-	Local	Existing	Prog	Local HA	£200
S57	6	Various	Information Pillars	Dem Mgt.	-	Local	Existing	Prog	Local HA	£20
S58	6	Rail Station and Other Locs, WGC	Secure Cycle Parking	Cycle	-	Local	Existing	Prog	Local HA	£50
S59	6	Bridge Road, WGC	Pedestrian Improvements	Walk	-	Local	Existing	Prog	Local HA	£10
S60	6	St Johns School, Digswell	Safety Barriers	Walk	-	Local	Existing	Prog	Local HA	£20
S61	6	Rail Station, WGC	Replacement Footbridge	Walk	-	Local	Existing	Prog	Local HA	£5,000
S62	6	Rail Station, WGC	Quick Improvemnts to Footbridge	Walk	-	Local	Existing	Prog	Local HA	£5
S63	6	Mundells & Bridge Road, WGC	Improved Pedestrian Subways	Walk	-	Local	Existing	Prog	Local HA	£50
S64	6	Broadwater Road, WGC	Cycle Link (Hydeway - Chequers)	Cycle	-	Local	Existing	Prog	Local HA	£50
S65	6	Mundells to Morrisons, WGC	Cycle Link	Cycle	-	Local	Existing	Prog	Local HA	£50
S66	6	Stanborough Lakes,	Cycle Link (Rdbt -	Cycle	-	Local	Existing	Prog	Local HA	£5

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/ Future	Status	Delivery	Cost (£k)
		WGC	Lakes)							
S67	6	Oaklands and Welwyn North	Cycle Route	Cycle	-	Local	Existing	Prog	Local HA	£150
S68	6	Rail Station, WGC	Improve Cycle Facilities	Cycle	FCC	Local	Existing	Prog	Local HA	£10
S69	6	QE2 Hospital, WGC	Buses to Major Health Facilities	Bus	-	Local	Existing	Prog	Local HA	£10
S70	6	Bus Station, WGC	Improved Information	Bus	-	Local	Existing	Prog	District	£10
S71	6	Hunters Bridge Car Park	Car Park - To Improve	Road	-	Local	Existing	Prog	District	£3
S72	6	Howardsgate, WGC	Reduce Short-stay Parking	Road	-	Local	Existing	Prog	District	£1
S73	6	Digswell Road, WGC	Real-time signing for car-parks	Road	-	Local	Existing	Prog	District	£200
S74	6	Bessemer Road / Broadwater Road, WGC	Reconfigure Traffic Signals	Road	-	Local	Existing	Prog	District	£750
S75	6	Shire Park	Install traffic signal controls	Road	-	Local	Existing	Prog	Local HA	-
S76	6	Howardsgate, WGC	Restrict Traffic Circulation	Road	-	Local	Existing	Prog	Local HA	£25
S77	9	The Galleria/at grade crossing	Improvements to subway	Walk	-	Local	Existing	Prog	Local HA	£50
S78	9	Cavendish Way, A1(M) Junction 3 to university	New and Improved pedestrian crossings with cyclists facilities	Walk	-	Local	Existing	Prog	Local HA	£400
S79	9	Queensway, French Horn Lane	Improvement of subways where they are to be retained	Walk	-	Local	Existing	Prog	Local HA	£200
S80	9	St Albans Road West/ Ellenbrook Lane	Pedestrian access at St Albans Rd W/Ellenbrook Lane	Walk	-	Local	Existing	Prog	Local HA	£1
S81	9	Town Centre	Information Pillars	Walk	-	Local	Existing	Prog	Local HA	£20
S82	9	Railway Station	Information Pillars	Walk	-	Regio	Existing	Prog	Local HA	£20
S83	9	Railway Station	Secure cycle parking at a range of locations	Cycle	-	Local	Existing	Prog	Local HA	£50
S84	9	Retail Centre (SuperStore)	Secure cycle parking at a range of locations	Cycle	-	Local	Existing	Prog	Local HA	£50

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/Future	Status	Delivery	Cost (£k)
S85	9	Retail Centre (The Galleria)	Secure cycle parkign at a range of locations	Cycle	-	Local	Existing	Prog	Local HA	£50
S86	9	Woods Avenue	Cycle Route	Cycle	-	Local	Existing	Prog	Local HA	£10
S87	9	College Lane onto A1001 Roehyde Way	Introduce bus priority measures (Bus gates, bus lanes, junction priorities)	Bus	-	Local	Existing	Prog	Local HA	£400
S88	9	Welwyn Garden City	Bus real time information system	Bus	-	Local	Existing	Prog	Local HA	£1,000
S91	9	Hatfield Rail Station	Hatfield Station interchange	Rail	-	Regio	Existing	Prog	Local HA	£1,200
S92	9	Hatfield Rail Station	Improve signing to rail station	Rail	-	Local	Existing	Prog	Local HA	£2
S93	9	College Lane (Near University)	Introduce Controlled Parking Zone(s)	Road	-	Local	Existing	Prog	District	£50
S94	9	Roads around Rail Station	Introduce Controlled Parking Zone(s)	Road	-	Local	Existing	Prog	District	£50
S95	9	The University of Hertfordshire	Additional park and ride capacity for university	Bus	-	Regio	Existing	Prog	Developer	£200
S96	9	A1(M) Junction 4 Tesco Roundabout	Traffic Signal timings	Road	A1(M)	Regio	Existing	Prog	Local HA	£500
S97	9	Roehyde Way	Traffic Signal timings	Road	-	Local	Existing	Prog	Local HA	£500
S98	9	A1000 Great North Road/A1001 South Way	Create all - movement junction	Road	A1000	Regio	Existing	Prog	Local HA	£500
S99	9	Hatfield Rail Station	Additional Parking	Road	-	Regio	Existing	Prog	Local HA	£500

Table B 11: Other Infrastructure

Label	DocID	Location	Description	Type	Corridor	RSS Class	Exist/ Future	Status	Delivery	Cost (£k)
S214	18	Luton	East Luton Corridor	Road	-	Strat	Existing	Aspi	Local HA	-
S216	1	Stansted	East/West Bus Links to be improved	Road	-	Regio	Existing	Aspi	Bus Op	-
S221	142	Cambridge - Stansted	12 Carriage Trains in Peak	Rail	-	Regio	Existing	Aspi	Rail Op	-
S223	152	A120 Stansted to Braintree	General Improvements	Road	A120	Strat	Existing	Prog	HA	£87,500
S247	1000	North of Dunstable	A5-M1 link (Dunstable Northern Bypass)	Road	M1	Regio	Existing	Aspi	HA	£60,000
S248	140	Hitchin - Cambridge	Booster Transformers	Rail	-	Regio	Existing	Aspi	Rail Op	-
S305	18	London Orbital	Orbital Coach Services	Road	-	Regio	Future	Aspi	Local HA	-
S313	18	Mid Essex	Rail Route Mid Essex to Stansted	Rail	-	Regio	Future	Aspi	Other	-
S316	18	Luton North	Luton North Station	Rail	FCC	Regio	Future	Aspi	Other	-
S318	1000	North of Luton	Luton Northern bypass	Road	-	Regio	Future	Aspi	Other	-
S321	18	M11 J7 & J8	Junction Improvements	Road	M11	Strat	Future	Comm	HA	-
S332	160	A414 - M11	Improvements	Road	A414	Strat	Future	Aspi	Local HA	-
S347	158	M1 Junction 10A Improvements	Upgrade	Road	M1	Strat	Existing	Aspi	Local HA	-
S352	153	Luton Airport Parkway Station	Improvements to train service and frequency	Rail	FCC	Regio	Existing	Comm	Rail Op	-
S36	107	M1 Luton	Improve East - West Routes as part of the strategic connection with Stevenage and Stansted corridor	Road	M1	Strat	Existing	Prog	Local HA	-
S47	107	M11 Stansted	Improve East - West Routes as part of the strategic connection with Luton and Stevenage corridors	Road	-	Strat	Existing	Prog	Local HA	-

Table B 12: Bus Interchange Improvements

Label	DocID	District	Location	RSS Class	Exist/ Future	Cost (£k)
BI1	1008	Dacorum	Hemel Hempstead Bus Stn	Strat	Existing	-
BI2	1008	St Albans	St Albans Town Centre	Strat	Existing	-
BI4	1008	Hertsmere	Borehamwood Town Centre	Regio	Existing	-
BI5	1008	Stevenage	Stevenage Bus Stn	Strat	Existing	-
BI6	1008	North Herts	Hitchin	Regio	Existing	-
BI7	1008	WelHat	WGC Bus Stn	Regio	Existing	-
BI8	1008	WelHat	Hatfield Rail Stn	Regio	Existing	-
BI9	1008	Hertsmere	Potters Bar Stn	Regio	Existing	-
BI11	1008	Broxbourne	Cheshunt Town Centre	Regio	Existing	-
BI12	1008	East Herts	Bishops Stortford Bus Stn	Strat	Existing	-
BI13	23	Other	Luton TC Bus Station	Strat	Existing	-
BI14	23	North Herts	Letchworth Station potential interchange improvements	Regio	Future	-

Table B 13: Bus Corridor Improvements

Label	DocID	Serving	RouteNo	Upgrades	RSS Class	Exist/ Future	Cost (£k)
BR1	1008	Watford	500	Pax pressure from Watford Campus & hospitals, Watford congestion, poor on street facilities	Strat	Existing	-
BR2	1008	Watford	550	Pax pressure from Watford Campus & hospitals, Watford congestion, poor on street facilities	Strat	Existing	-
BR3	1008	Watford	724	Long distance timetable vs local demand. Various town centre issues tho can make time up.	Strat	Existing	-
BR4	1008	Other	6	Congestion thru Watford & St A, severe @ Watford Junc, interchange scheme. Imps thru Rickmansworth	Strat	Existing	-
BR5	1008	Other	5	Congestion thru Watford, severe @ Watford Junction, interchange scheme. Imps thru Rickmansworth	Strat	Existing	-
BR6	1008	Hertsmere	W7	Elstree & B'wood Stn access & Shenley Rd operational issues. Potential contraflow in Lower High St	Strat	Existing	-
BR7	1008	Hertsmere	W9	Elstree & B'wood Stn access & Shenley Rd operational issues. Potential contraflow in Lower High St	Strat	Existing	-
BR8	1008	Other	602	Heavy school peak. A414 delays. St Albans & B'wood congestion. Developer opposition.	Strat	Existing	-
BR9	1008	Other	300	No vehicle consistency. Hemel BStn & TC imp. BStn issues @ Wel, Hat and Lister Hosp.	Strat	Existing	-
BR10	1008	Other	301	No vehicle consistency. Hemel BStn & TC imp. BStn issues @ Wel, Hat and Lister Hosp.	Strat	Existing	-
BR11	1008	St Albans	320	Late and Sunday journeys in doubt, cost. St A congestion, part of St A Bus Punct Imp Partnership.	Strat	Existing	-
BR12	1008	Other	321	Impact of M1 delays/ incidents. Congestion in Watford & St Albans. Watford TC cong mgt.	Strat	Existing	-
BR13	1008	Stevenage	100-102	Conflicting demands. New Stevenage BStn. Hermitage Rd pax environment.	Regio	Existing	-
BR16	1008	Other	84	Single deck capacity restraint. Important school route. P'Bar congestion. Poor L'Colney infra.	Strat	Existing	-
BR17	1008	North Herts	97	L'worth & Hitchin TC stops disparate. A505 congestion. Broadway-Hitchin Rd needs bus priority.	Regio	Existing	-
BR18	1008	North Herts	92	L'worth & Hitchin TC stops disparate. A505 congestion. Broadway-Hitchin Rd needs bus priority.	Regio	Existing	-
BR19	1008	North Herts	94	L'worth & Hitchin TC stops disparate. A505 congestion. Broadway-Hitchin Rd needs bus priority.	Regio	Existing	-
BR20	1008	East Herts	308	Linked to Hertford, some issues here & turning constraints @ Little B'stead. Some narrow roads.	Regio	Existing	-

Label	DocID	Serving	RouteNo	Upgrades	RSS Class	Exist/ Future	Cost (£k)
BR21	1008	East Herts	510	Infrastructure improvements required. Bish'Stort congestion. Quality Bus Stop programme required.	Strat	Existing	-
BR22	1008	Other	310	Chase Fm Hospital access being tackled. H'ford BStn & TC affect punctuality. W'Cross BStn capacity.	Regio	Existing	-
BR23	1008	Other	311	Chase Fm Hospital access being tackled. H'ford BStn & TC affect punctuality. W'Cross BStn capacity.	Regio	Existing	-
BR24	1008	Dacorum	2+3 Hemel	Low floor and peak period freq need standardised. Bus stn & TC facilities may be improved	Regio	Existing	-
BR25	1008	Dacorum	4+5 Hemel	Low floor inconsistent. Disruption from anti-social behaviour. BStn & TC facilities poss imps	Regio	Existing	-
BR26	1008	Other	51-5		Regio	Existing	-
BR27	1008	Other	51-5		Regio	Existing	-
BR28	1008	Stevenage	2+3 Stev	Review of route may be required to serve changing employment patterns.	Regio	Existing	-
BR29	1008	Stevenage	SB1	Unsatisfactory traffic calming in Chells. No turning point at Sainsburys.	Regio	Existing	-
BR30	1008	Stevenage	4+5 Stev	Review of route may be required to serve changing employment patterns.	Regio	Existing	-
BR31	1008	Watford	8	Cong & stop allocation in Wat TC. Bushey Arches delays. Poss Lower High St contraflow.	Regio	Existing	-
BR32	1008	Watford	10	Cong & stop allocation in Wat TC. Bushey Arches delays. Poss Lower High St contraflow.	Regio	Existing	-
BR33	167	Other	W5/ 6	Corridor improvements	Regio	Existing	-
BR34	167	Watford	W8/ 10	Corridor improvements	Local	Existing	-

Table B 14: Rail Corridor Improvements

Label	DocID	Location	Description	Corridor	RSS Class	Exist/ Future	Status	Delivery	Cost (£k)
R1	160	East Coast Mainline	ECML Improvements	ECML	Strat	Existing	Prog	Rail Op	-
R2	1	Brighton-Bedford	Thameslink Programme	FCC	Strat	Existing	Comm	Rail Op	-
R4	18	WAGN Line	WAGN Improvements	WAGN	Regio	Existing	Prog	Rail Op	-
R8	18	Crossrail	Crossrail London	XRail	Regio	Existing	Comm	Rail Op	£10,292,000
R9	18	North of Herts	East-West Rail	East-West	Regio	Future	Aspi	Rail Op	-
R10	139	North London Line	Redefine to mainly passenger	NLL	Regio	Existing	Aspi	Rail Op	-
R11	167	Abbey Line	Abbey Line passing loop	AL	Regio	Existing	Aspi	Rail Op	-
R12	7	Croxley Rail	Croxley Rail Link	Crox	Regio	Existing	Prog	Local HA	£145,300

Table B 15: Road Corridor Improvements

Label	DocID	District	Location	Description	Corridor	RSS Class	Existing/ Future	Status	Delivery	Cost (£k)
H1	107	WelHat	A1(M)	A1(M) widening south of J7	A1(M)	Strat	Existing	Prog	HA	
H2	18	East Herts	A120 (A1-M11)	A120 Improvements	A120	Strat	Existing	Aspi	Local HA	
H3	160	North Herts	A505 Hitchin-Letchworth	Improvements	A505	Regio	Existing	Aspi	Local HA	
H4	158	East Herts	A602 Ware-Stevenage	Improvements	A602	Regio	Existing	Aspi	Local HA	£20,000
H7	18	Other	M11 J9-J14	Widening	M11	Strat	Future	Aspi	HA	£226,000
H8	18	Other	M11 J8-J9	Widening	M11	Strat	Future	Aspi	HA	£171,000
H9	18	Other	M25 J16-J31	Widening & demand management	M25	Strat	Existing	Prog	HA	£1,333,333
H10	167	Watford	Watford town centre	Ring road 2-way operation	Wat	Local	Existing	Prog	Local HA	
H11	167	3 Rivers	Brookdene Av	Traffic calming	Traffic Mgt	Local	Existing	Comm	Local HA	
H12	167	Watford	Sydney Road	Traffic calming	Traffic Mgt	Local	Existing	Comm	Local HA	
H13	167	Hertsmere	Stephensons Way	Casualty reduction	Traffic Mgt	Regio	Existing	Comm	Local HA	
H14	167	Watford	North Orbital	Casualty reduction	Traffic Mgt	Regio	Existing	Comm	Local HA	
H15	167	3 Rivers	Sarratt Road	Casualty reduction	Traffic Mgt	Local	Existing	Comm	Local HA	
H16	167	Watford	Wiggenhall Road	Casualty reduction	Traffic Mgt	Local	Existing	Comm	Local HA	
H17	167	Watford	St Albans Road	Casualty reduction	Traffic Mgt	Local	Existing	Comm	Local HA	
H18	167	Watford	Lower High St	Casualty reduction	Traffic Mgt	Local	Existing	Comm	Local HA	
H19	1001	Other	A505/ A601/	Corridor	JcSt	Strat	Existing	Prog	Local HA	

Label	DocID	District	Location	Description	Corridor	RSS Class	Existing/ Future	Status	Delivery	Cost (£k)
			A1(M)	junction strategy						
H20	40	Dacorum	Hemel Hempstead	Swallowdale Ln widening & jct improvements	SL	Local	Existing	Prog	Local HA	
H21	40	Dacorum	Hemel Hempstead	A4147 widening & junction improvements	A4147	Regio	Existing	Aspi	Local HA	
H22	160	North Herts	Royston	Southeast bypass A10-A505	A10	Regio	Existing	Aspi	Local HA	
H23	2	East Herts	Little hadham	Bypass	A120	Regio	Existing	Prog	Local HA	£32,000
H24	40	Dacorum	Water End	Bypass	A4146	Local	Existing]	Aspi	Local HA	

Figure B 1: Bus Scheme Map – References

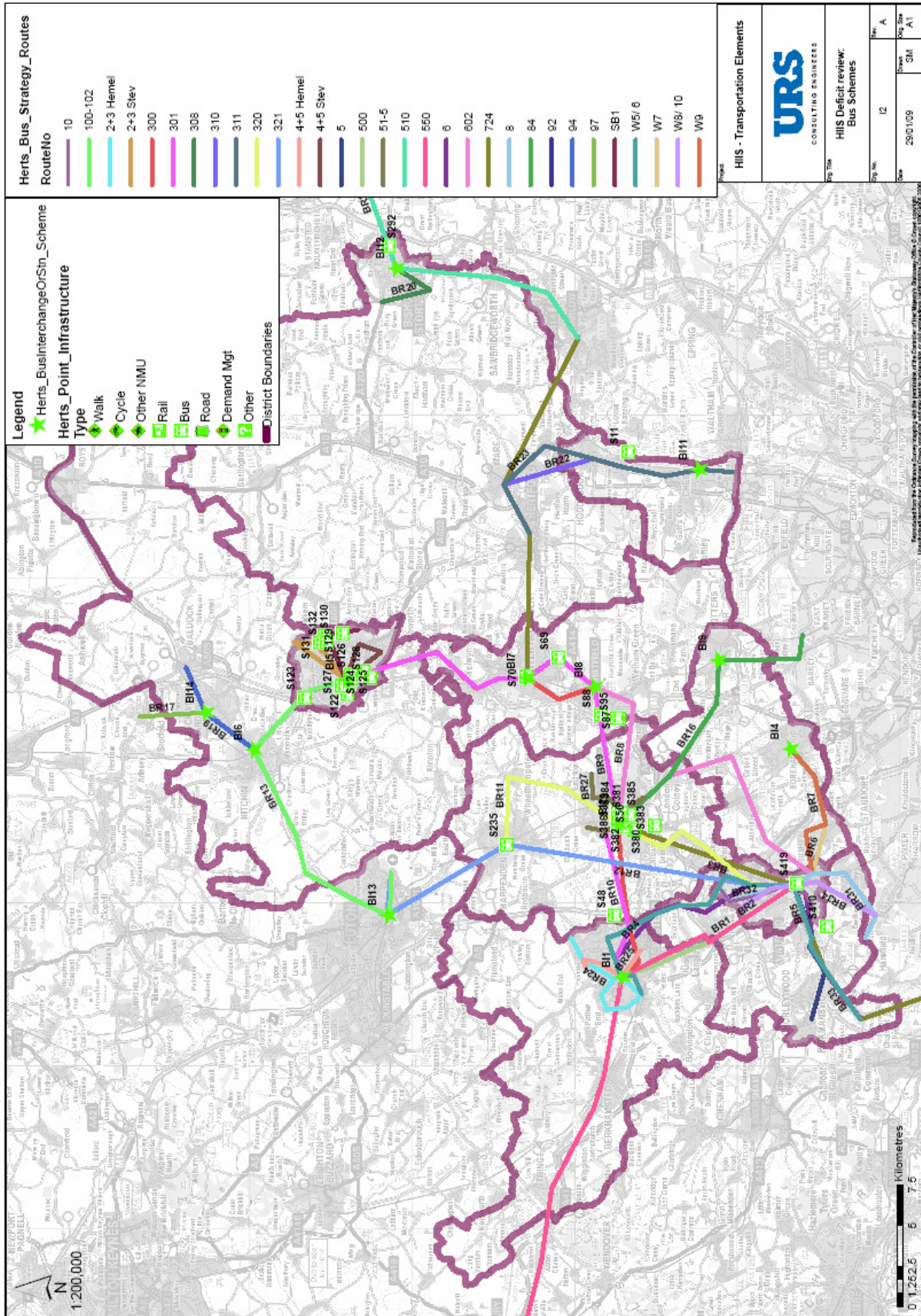


Figure B 2: Rail Scheme Map – References

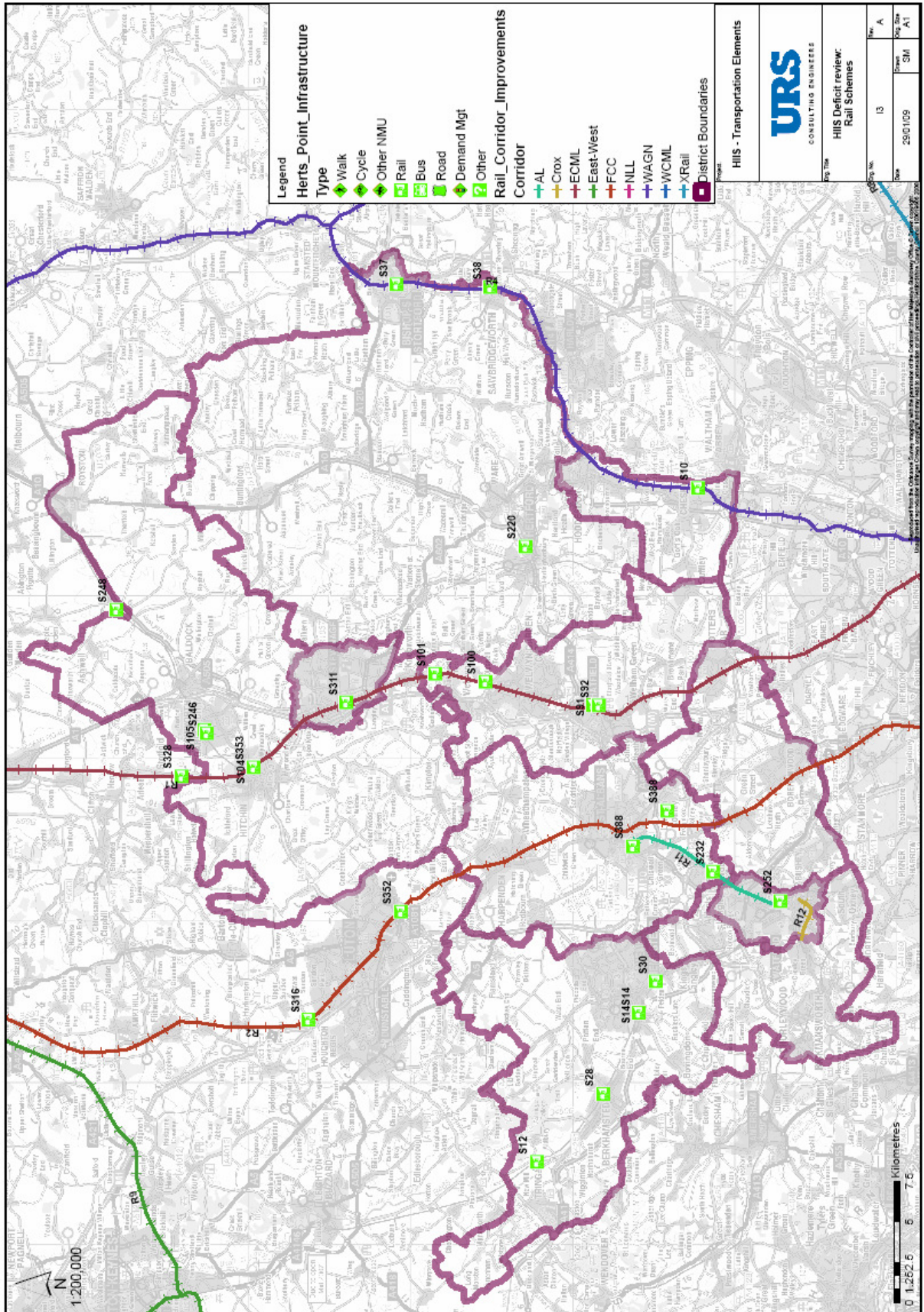


Figure B 3: Road Scheme Map – References

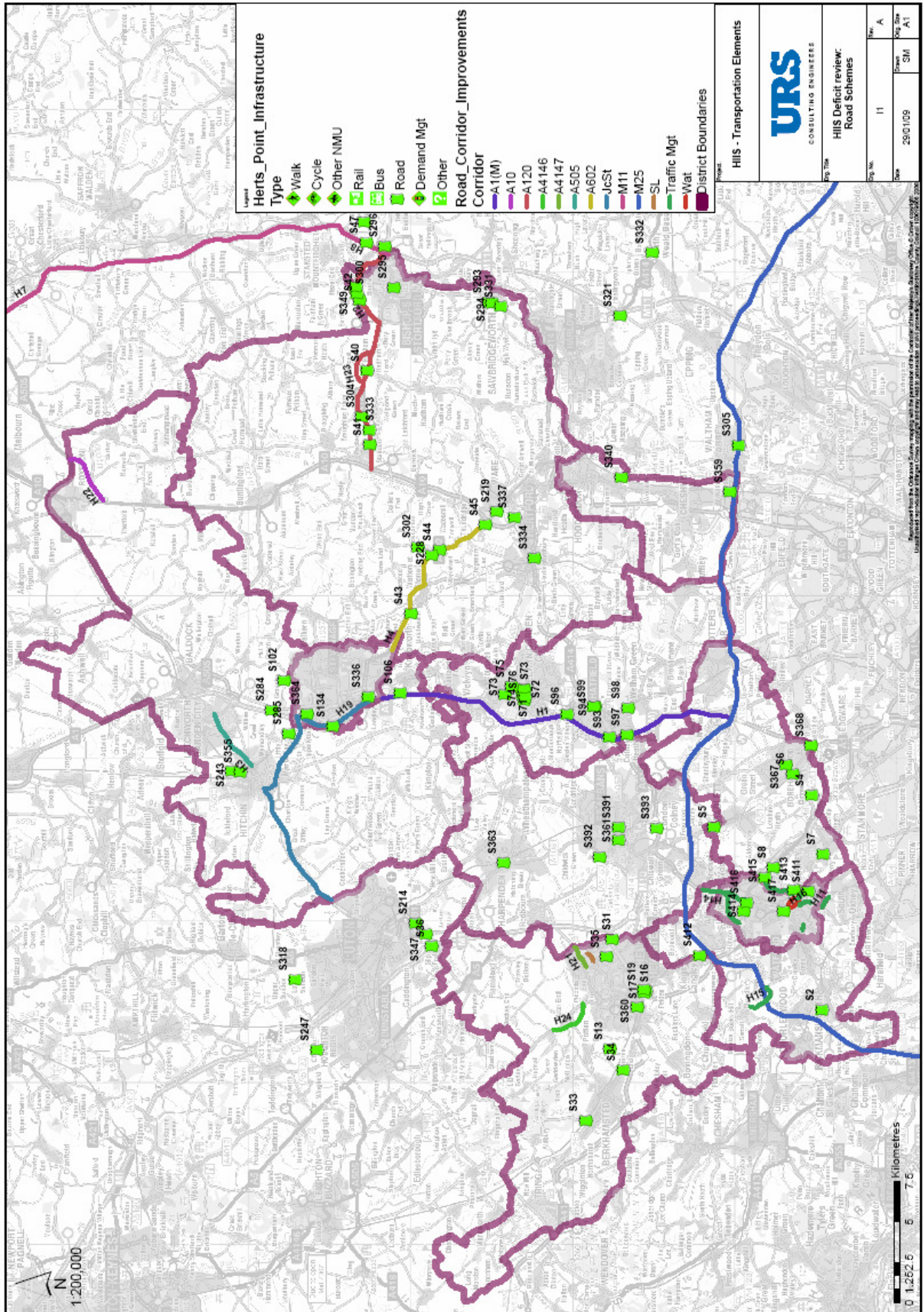


Figure B 4: Other Scheme Map - References

