



Vale of Aylesbury Local Plan

Regulation 19 Draft

- Infrastructure Delivery Plan**
- Appendix A: Infrastructure Delivery Schedule**

September

2017

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1. Physical Infrastructure

1.1 Transport and Highways; Short Term (2013-2018)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date /timescales	Additional Comments/ Delivery notes	Status
Aylesbury								
Aylesbury - Cycle ways /Footpaths	ATS	Grand Union Triangle 'Greenways to Growth'	BCC, AVDC, developers	£7.3m	S106, Heritage Lottery funding (TBC)	Phase 1 to be delivered in 2017-2018 Future phases dependent on timing of s106 agreements	Upgrade of Grand Union Canal Towpath connecting Aylesbury Tring and Wendover, with a land-based route completing the link. Initial works between Aylesbury and Arla	Necessary
Aylesbury – Cycle ways /Footpaths	ATS	Aylesbury Vale Parkway to Waddesdon Cycleway	BCC, Waddesdon Estate, Greenways and Cycle Routes Ltd.	£1m	DfT HS2 National Cycleway; Waddesdon Estate	2017-2019	Funding to be secured	Necessary
Buckingham								
Buckingham – Cycle Network	Buckingham Transport Strategy.	Buckingham Town-wide cycle network improvement	BCC, AVDC, Sustrans	£1.3m	Developer contributions	Incremental implementation	Will be implemented gradually as developments progress for the following: London Road Riverside Walk/Bourton Rd Railway Walk A421 Stowe Avenue (NCN 50) A413 Moreton Road	Necessary

							A422 Stratford Road Hollow Way (Bridleway) CP Circular Walk (Chandos Park) DA Dark Alley / Brookfield Lane MH A422 Market Hill CR Chandos Road A421 West TR Tingewick Road/Railway Walk A413 / A421 East BIE Buckingham Industrial Estate (based on 4.5km of cycle route)	
Cycle Network	Buckingham Transport Strategy.	Buckingham to Silverstone Park cycle route	BCC, AVDC, Sustrans	£3m	Developer contributions	s106 obligation to be met – must be completed Stage 1 65,000 sq m occupation All – by 158,000 sq m occupation	Proposed transport infrastructure associated with MEPC Silverstone outline application includes cycling routes. The route to Buckingham via Dadford Rd is assumed to be on-road; however, BCC's preference is for an off-road alignment.	Necessary

1.2 Transport and Highways; Medium Term (2018-2023)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date /timescales	Additional Comments/ Delivery notes	Status
Aylesbury								
Highways	Kingsbrook Masterplan	Stocklake Improvements (rural section)	BCC, AVDC	£11-19m	Developer contribution	Being built as part of s38 – likely to be completed by 2021	Being delivered by BCC through s38 agreement	Critical
Highways	Kingsbrook Masterplan	Aylesbury, remainder of Eastern Link Road (S)	Bucks Advantage	Approx. £38m	Developer contribution/BCC Capital Fund/LGF	Completed 5 years after work commences of 1 st home (by 2021)	Tied to the Woodlands development and Kingsbrook development £20,280,000 budget left	Critical
Highways		Southern Link Road (between A41 and A413)	BCC, AVDC, developers	Approx. £17+m	Developer contributions	2021	Tied to the Land East of Aylesbury development (Hampden Fields)	Critical
Highways		Stoke Mandeville A4010 Realignment	HS2			2021	To support outer link roads around Aylesbury to facilitate orbital movement. Linked to delivery of Aylesbury South east Link Road (A413 to B4443 Lower Road)).	Critical
Highways		Aylesbury South east Link Road (A413 to B4443 Lower Road)	BCC Developer	£23,550,000	Developer contributions/H S2/LGF	2021	To be aligned with scheme above (Stoke Mandeville realignment)	Critical

Highways		South West link (between Stoke Mandeville A4010 realignment and A418)	Developer	£14m-£31m	Developer contributions	2018–2023	Linking from the new A4010 realignment.	Critical
Public Transport	Aylesbury Transport Strategy.	Priority Public Transport Corridor A41 Tring Road	BCC	£8m	Developer contributions	2021	To be implemented once relevant link roads are in place therefore more capacity	Necessary
Public Realm	Aylesbury Transport Strategy/Aylesbury Garden Town	Aylesbury town centre improvements to the pedestrian network and public realm: <ul style="list-style-type: none"> • Cambridge Street • Exchange Street • Friarage Road • Vale Park Drive • Upper Hundreds Way • Walton Street • Canal Basin • Town Centre cycle parking 	BCC, AVDC	£12m-£84m	Developer contributions / grants	In phases throughout Local Plan period	The town centre amenities have expanded across the inner ring road; therefore improved access is required to enable pedestrians/cyclists to travel easier to all town centre destinations (i.e. Cambridge Street – access to Aylesbury Retail Park). These improvements cannot fully be realised until traffic within the town centre is reduced (once the link roads are in place to intercept traffic). Some works could however be brought forward with the town centre redevelopment.	Necessary

Highways	Aylesbury Transport Strategy	Improvements to the Royal Bucks Hospital roundabout (A418, A413, A41 junction)	BCC	£2m-£16m	Developer contributions	2018-2023	General improvements to assist with road safety, traffic flows and pedestrian / cyclist movements.	Necessary
Highways	Aylesbury Area Transport Study	Accessibility improvements to Stoke Mandeville railway station.	Developer	<£5m	Developer contributions	Initial cycle link by 2021	To ensure that relevant new developments are adequately linked to their nearest/most appropriate rail station via sustainable modes (walking, cycling and bus) in order to minimise car use to the stations.	Necessary
Public Transport Hub – bus, rail, cycle	Aylesbury Transport Strategy	Remodelling the bus station and reconfiguring of the pedestrian access between the railway station/bus station and town centre. To include demolition and redevelopment of	Developers	£5m	BCC/CIL	Some initial capacity improvement by 2021	Current bus station has no capacity for growth in new services.	Critical

		immediate areas.						
Cycle Network	Aylesbury Transport Strategy	Aylesbury town-wide cycle network improvements	BCC, AVDC, Sustrans	£1.6m	Developer contributions	Incremental implementation throughout plan period	Will be implemented gradually as developments progress.	Necessary
Bierton - Highways		Link Road from Bierton to new link road between A413 and A418		TBC		TBC	TBC	TBC
Buckingham								
Highways	Buckingham Transport Strategy	Buckingham Left turn slip at A422/A413/Straford Road roundabout	Developers	£1.0m-£1.5m	Developer contributions	2018-2023	Part funded	Necessary
Highways	Widen Lee Rd Footpath	Quainton NDP	S106	£30k		2017-18		Necessary
Highways	Ivinghoe Traffic Calming Solution Study	Ivinghoe NDP	N/A	N/A	N/A	Uncertain	No funding identified to date	Desirable
Highways	Extension to footpath spanning entire village	Ivinghoe NDP	N/A	N/A		Uncertain	No funding identified to date	Desirable
Winslow								
Winslow -		Infrastructure	BCC, Bus	<£5m	Operators –	2022	Potential increase in	Necessary

Bus Services		to facilitate increase in bus frequency to Winslow Station	operators, EWR Alliance		possible commercial service		the frequency of the bus connections to Winslow to cater for increased demand (due to the opening of the East-West Rail station). Design for Winslow Station already allows for bus service running	
Highways	Quainton NDP	Traffic calming in village centre	BCC	£50k est	S106	2017-18	TBC	Necessary
Aylesbury Vale wide								
Aylesbury Vale - Rail		East West Rail – Bicester, to Winslow, MK and Aylesbury. Includes new station at Winslow.		£5m Winslow Station	EWR Consortium/Df T/Network Rail/Local authorities/CIL/ Other	Scheme due to be complete in 2020/2021	BCC/AVDC local contribution expected to be confirmed	

1.3 Transport and Highways; Long Term (2023-2033)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date /timescales	Additional Comments/ Delivery notes	Status
Aylesbury								
Highways		North East Link Road/ Aylesbury	BCC, AVDC, LEP	Approx. £35m	Through Oxford-Cambridge Expressway	2033	Was also linked to recent planning application which was refused at appeal	Necessary
Highways		Western link (between A418 and A41).	BCC, AVDC, LEP	£11m-£23m	Likely to require grants (i.e. DfT).	2033	Funding could be an issue with this link. Whilst it is an aspiration to complete the link road network around the town, there is no development in this area to help provide funding.	Critical
Public Transport	Aylesbury Transport Strategy.	Priority Public Transport Corridor A41 Bicester Road	BCC	£7m	Developer contributions	Initial works by 2020 Long term by 2033	To be implemented once relevant link roads are in place therefore more capacity	Necessary
Public Transport	Aylesbury Transport Strategy,	Public Transport Corridor A413 Buckingham Road capacity	BCC	£4m	Developer contributions	2033	To be implemented once relevant link roads are in place therefore more capacity	Necessary
Public Transport	Aylesbury Transport Strategy	- B4443 (based on 3.8km of route) - A413 Wendover Road (based on	BCC, AVDC	- £8m - £9m - £6m	Developer contributions / grants	2027	PPTCs (depending on traffic levels, demand etc.) to be implemented once relevant link roads	Desirable

		4.4km of route) - Stocklake Link Road (based on 3km of route)					are in place (therefore more capacity). Lower priority than main PPTCs.	
Highways	Aylesbury Area Transport Study	Bridge improvements at junction of Old Stoke Road and B4443	BCC	£40m	Grant Funding	2033	No mechanisms to deliver currently but known pinch – point	Necessary
Cycle Network	Aylesbury Transport Strategy	Aylesbury town-wide cycle network improvements	BCC, AVDC, Sustrans	£1.6m	Developer contributions	Incremental implementation throughout plan period	Will be implemented gradually as developments progress.	Necessary
Cycle Network	Buckingham Transport Strategy.	Buckingham to Milton Keynes cycle route	BCC, AVDC, Sustrans	£4m	Developer contributions	2028	The potential route to Milton Keynes is mainly on-road; however, there is a short off-road section near Buckingham adjacent to the A421.	Desirable
Cycle Ways		Aylesbury to Haddenham cycle route	BCC, AVDC, Sustrans, Developers	£4m	Developer contributions and external funding grant (i.e. DfT)	2028	Would greatly support growth in Haddenham by providing a link to amenities, education and employment in Aylesbury. 2 options currently being considered (one along the roadside to Stone and one	Desirable

							along an existing Right of Way).	
Park and Ride	ATS	Aylesbury Park and Ride sites		£11m	Developer contributions	2033	Will depend on viability of park and ride from main routes into town. Will require further investigation. Will need to tie in with the PPTCs as it will be essential for bus services to bypass congestion (also needs to be assessed against town centre parking charges).A Park & Ride facility has been proposed as part of the Hampden Fields Planning Application	Desirable
Buckingham								
Highways		Buckingham Western Link Road		£7m-£14m		2033	Linked to VALP residual housing requirement of 557 dwellings. Development Management team are looking to acquire S106 agreement from developers. Part of Buckingham Transport Strategy.	Necessary

Highways		A413 Buckingham Road Improvem'ts		TBC	Developer contributions	2033	Likely to support BTS objective to reduce congestion in town centre if these improvements discourage town centre through-traffic. "Route upgrade" in this context may include dualling the road(s).	
Highways	Buckingham Transport Strategy	Buckingham route downgrade on High Street and West Street	Developer s	£3m-£20m		2028–2033	Dependent on Western link Road and other surrounding improvement	Desirable
Highways and Rights of	Buckingham Transport Strategy	Buckingham Route upgrades on A421 and A413	Developer s	£38m-£52m	Developer contributions and grant funding	2033		Necessary
Highways	Ivinghoe Traffic Calming Solution Study	Ivinghoe NDP	N/A	N/A	N/A	Uncertain	No funding identified to date	Desirable
Highways	Extension to footpath spanning entire village	Ivinghoe NDP	N/A	N/A		Uncertain	No funding identified to date	Desirable
Edge of MK								
Highways		Bletchley-by-Pass - New road linking A421 and A4146	MK, BCC, developer s	£21m-£47m	Developer contributions and governme	2033	Land secured through SW MK	Necessary

					nt grants			
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2. Social Infrastructure – Education

2.1 Primary Short Term (2013-2018)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date /timescales	Additional Comments/ Delivery notes	Status
Aylesbury								
Aylesbury - Primary School		<u>Berryfields</u> Expand second school from 2fe to 3fe primary school.	BCC	£4m	Developer contributions S106	2018	Green Ridge Primary Academy	Critical
Bierton								
Bierton - Primary School		<u>Bierton</u> Expansion of existing school by half a form of entry	BCC	£4m	Developer contributions S106	2018		Critical
Haddenham								
Haddenham - Primary School		<u>Haddenham</u> Expansion of Haddenham St Mary's CE	BCC	£2m	Developer contributions S106	2017		Critical
Quanton								
Saye & Sele Hall	Quanton NDP	<u>Reinstate pre-school</u>	BCC	£152k	BCC/s106	2017	Received s106 - £5k, other £51k – gap funding required - £96,000	Necessary
Wendover								
Wendover - Primary School		<u>Wendover</u> Expansion of John Hampden/Wendover CE	BCC	£6m	Developer contributions S106	2018		Critical

2.2 Primary Long Term (2023-2033)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date /timescales	Additional Comments/ Delivery notes	Status
Aylesbury								
Primary School	Kingsbrook Masterplan	<u>Broughton Crossing</u> - Provision of 2 x 2fe primary schools including contributions	BCC	£20m	Developer contributions S106	(to provide a serviced site for a school at occupation of 1500 homes)		Critical
Primary School	Hampden Fields Masterplan	<u>Hampden Fields</u> – provision of 2fe and 3fe primary school	BCC	£22m	Developer contributions S106			Critical
Primary School	Woodlands Masterplan	<u>Woodlands</u> – Provision of 2fe school	BCC	£10m	Developer contributions S106			Critical
Primary School	South West Aylesbury Masterplan	South West Aylesbury	BCC		Developer contributions S106			
Primary School	BCC School Expansion Programme	Shortfall in Aylesbury housing (1,325 homes) – expansion of existing schools by 2fe (e.g. Haydon Abbey, Elmhurst)	BCC	£10m	Developer contributions S106			Critical
Stoke Mandeville								

Primary School		<u>Stoke Mandeville</u> provision of 2-3fe school	BCC	£8-12m	Developer contributions S106		To accommodate development in the south within the SM Parish (approx. 2,000 homes). This is within the William Harding catchment but would require a suitable 2-3 hectare school site.	Critical
Buckingham								
Primary School		<u>Buckingham</u> Expansion of existing school at Maids Moreton	BCC	£2.5m	Developer contributions S106			Critical
Primary School		<u>Buckingham</u> expansion of existing school at Buckingham Primary	BCC	£3m	Developer contributions S106			Critical
Primary School		<u>Buckingham</u> Expansion of existing school at Roundwood Primary	BCC	£1m	Developer contributions S106			Critical
Winslow								
Primary School		<u>Winslow</u> provision of a new 1fe school or 1fe expansion of Winslow CE Primary school	BCC	£6m	Developer contributions S106			Critical
Stone								
Primary School		<u>Stone</u> provision of 1fe school	BCC	£6m	Developer contributions S106			Critical
Wendover								
Primary School		<u>Wendover</u> provision of a new 1-2fe	BCC	£6m	Developer contributions		Assuming an allocation of 1000 homes at RAF	Critical

		school or expansion of existing Halton school			S106		Halton	
Long Crendon								
Primary School		<u>Long Crendon</u> expansion of Brill School	BCC	£0.5-1m	Developer contributions S106			Critical
Edge of MK								
South West MK - Primary School		<u>SWMK</u> provision of 3fe primary school	BCC	£12m				Critical
Milton Keynes – Primary School		<u>Shenley Road, MK</u> provision of 3fe primary school		£13m				Critical

2.3 Secondary Short Term (2013-2018)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date /timescales	Additional Comments/ Delivery notes	Status
Aylesbury								
Secondary School	Part of agreement linked with Berryfields	<u>Quarrendon</u> Secondary School annex, to provide additional 6fe school places on site.	BCC	£35m	HIF/DfE	Sept 2018	Currently subject to a feasibility study	Critical

2.4 Secondary Long Term (2023-2033)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date /timescales	Additional Comments/ Delivery notes	Status
Aylesbury								
Secondary School	Part of Woodlands Masterplan	Reserve 10 hectare site on Broughton Crossing School – for new secondary school of up to 10fe	BCC	£34+m	Developer contributions S106		£6m already sourced through s106	Critical
Secondary school	Kingsbrook Masterplan	Kingsbrook development (25 acre site has been reserved) 6fe secondary school	BCC	£38m (includes £6m land costs)	S106	(to provide a serviced sites for a school at occupation of 1500 homes) plus a contribution	Would need to be futureproofed up to 10FE. £12m sourced through s106	Critical
Secondary School	BCC – School Expansion Programme	Expansion of existing schools (e.g. John Colet, Mandeville, Cottesloe, Buckingham, Waddesdon, Grange)	BCC	£5m per form of entry	Developer contributions S106		Secondary schools across Aylesbury Vale are all at capacity and close to the limits of their sites. Estimated pupil growth from over 8000 dwellings with outstanding housing permission is	Critical

							<p>projected to put increased pressure on secondary schools. Any major scheme (of around 2000+ homes) would be required to make either on-site provision for a new school or else contribute towards the expansion of a new school. Other smaller scale schemes would be expected to contribute towards additional secondary school provision provided no more than five planning obligations are allocated towards a single scheme. Education to continue discussions with secondary school providers on possible expansion options</p>	
Edge of MK								
South West MK - Secondary School		<u>SW Milton Keynes</u> 6fe new school	BCC	£30m	Developer contributions		SWMK planning application for 1,885 – offering BCC a reserved secondary school. 6fe to meet the total growth planned along the	Critical

							border of Milton Keynes	
Special Schools								
Special schools			BCC				The need for additional special school provision – will be informed by review currently being carried out by the SEND team - although BCC would look where possible to expand existing schools (i.e. Booker Park, Stocklake Park and Pebble Brook).	Critical

3. Health

3.1 Primary Care Facilities

3.1.1 Short Term (2013-2018)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism/Funding	Anticipated Date	Additional Comments/Delivery Notes	Status
Primary Care Facilities	CCG submission/public information on list growth	SW Milton Keynes (Salden Chase)	MKCCG	TBC	Developer contributions	Dependent upon site development	It is anticipated land will be put aside for a 6-GP surgery.	Critical

3.1.2 Medium Term (2018-2023)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism/Funding	Anticipated Date	Additional Comments/Delivery Notes	Status
Primary Care Facilities	CCG submission	Haddenham - Approx. 600 new homes - excluding existing commitments. Modification to existing premises if housing growth limited to 600 new homes as per Local Plan	Aylesbury Vale CCG	TBC - Additional facilities will be needed if number of new homes exceeds 600.	Developer contributions/practice	Medium term but Dependent on phasing of growth	Haddenham Medical Centre is based in a large purpose built building with capacity to cater for increased patient numbers. Short term - they should be able to provide care, within	Necessary

							current building, for up to 2000 additional patients,	
Primary Care Facilities	CCG submission and national direction of travel	Consolidated community facility to serve the population of Aylesbury	Aylesbury Vale CCG/NHS and other partners	TBC	Developer contributions	2018-2023	As the population of Aylesbury grows, there will be a greater need to centralise services and offer more hospital-based services in the community setting.	Necessary
Primary Care Facilities	CCG submission /public information on list growth	Berryfields Medical Centre requires a new purpose built primary care health centre on the Berryfields site to replace existing temporary portakabins. CCG in discussion with AVDC regarding site and premises lease options.	Aylesbury Vale CCG	Estimated £3.3m	Developer contributions/3PD (bids through NHS England for ETTF funding were successful)	2018-2020	To replace existing temporary portakabins with a new purpose build on the Berryfields site CCG and the practice in discussion with AVDC regarding site and premises lease. Estimated completion 2020	Necessary
Primary Care Facilities	CCG submission/public information on expected list growth	Meadowcroft Surgery	Aylesbury Vale CCG	Estimated £3.3m	Developer contributions/NHSE improvement grant/practice funding	2018-2023	To re build existing surgery on a phased programme to accommodate patient growth. The current building commissioned in 1992 was built for a population of	Necessary

							10,500 and the list size is currently 14,500.	
Primary Care Facilities	CCG submission/public information on list growth	Aylesbury - Hampden Fields New primary care health centre on Hampden Fields site to also serve Woodlands. Required to accommodate 14,000 new patients	Aylesbury Vale CCG	Estimated £2 - £2.5m	Developer contributions	2018-2020	Delivered by 600th occupation Local Practice interested to progress (discussions with developers and the CCG. Clarification of S106 provision needed.	Necessary
Primary Care Facilities	CCG submission/public information on list growth	Aylesbury - Stoke Mandeville Require AVDC to indicate the proposed number of homes?	Aylesbury Vale CCG	Estimated £100k <i>but this will need consideration once total number of new dwellings are confirmed</i>	Developer contributions	2018-2020	Extension to Mandeville Practice or refurb of other nearby premises	Necessary
Primary Care Facilities	CCG submission/public information on list growth	Aylesbury - Broughton Crossing potentially up to 2500 dwellings = 7,500 patients	Aylesbury Vale CCG	Estimated £100k	Developer contributions	2018-2023	Potential extension to Poplar Grove and neighbouring practices. Development likely to cross over into 3 different GP boundaries, Poplar Grove, Bedgrove	Necessary

							<p>and Oakfield. Current infrastructure would absorb the volume of patients in place of erecting a temporary facility but would put these practices at capacity. Propose putting in more consultation rooms as a result of list growth (subject to developer contribution) at Poplar Grove- the NHS has funded a new development which has not yet met its full potential - but will be so once existing Broughton developments completed. Developer contributions will allow this practice to expand to accommodate these increased patient numbers.</p>	
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Primary Care Facilities	CCG submission/public information on list growth	Winslow - Approx. 600 new homes - excluding existing commitments (1,043 cited in plan in total). Current plans for a new surgery in Winslow only factor in the current neighbourhood plan proposal and would need to be re-addressed if Winslow is chosen as the new settlement for 4500 dwellings.	Aylesbury Vale CCG	Estimated £3m for new build on existing health centre site	Developer contributions /NHS England /practice	2018-2019	Current plans for a new surgery in Winslow only factor in the current neighbourhood plan Norden House, the only practice in Winslow would also be within the catchment area of proposed new development south of Milton Keynes which has not been factored in. Medical services in Winslow are cited in the IDP dated August 2013 but no details provided.	Necessary
Primary Care Facilities	CCG submission/public information on list growth	Buckingham - Approx. 1,200 new homes excluding existing commitment (2,571 cited in plan in total). The Swan Practice is the only practice in Buckingham and currently has a list of 28,000 patients. The surgery is spread across a number of sites.	Aylesbury Vale CCG	Estimated £3m for new build excluding land costs	Developer contributions /NHS England /practice	2018-2023	The Swan Practice is the only practice in Buckingham and currently has a list of 28,000 patients. The surgery is spread across a number of sites. Practice suggests they have a site in mind and need to move imminently in order to take on any new patients.	Necessary

		Practice suggests they have a site in mind and need to move imminently in order to take on any new patients.						
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3.2 Housing for the Elderly

3.2.1 Medium Term (2018-2023)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date	Additional Comments/Delivery Notes	Status
Housing	Housing LIN report	Aylesbury – 150 unit mixed tenure retirement village scheme 50 rental/100 leasehold	Developers, BCC		Developers contributions/ BCC		Hampden Fields to deliver 60 bed care home/extra care facility. The CCG asks the council and planners to bear in mind the additional workload care homes place on local GP services and requests Primary Care services are consulted at every opportunity.	Necessary
Housing	Housing LIN report	Aylesbury Vale – Housing with care dementia units	Developers, housing association, BCC		Developers contributions/ BCC		The CCG asks the council and planners to bear in mind the additional	Necessary

							workload Dementia care place on local GP services and requests Primary Care services are consulted at every opportunity.	
Housing	Housing LIN report	Wendover/Haddenham	Developers, BCC		Developers contributions/ BCC		– Leasehold housing with care schemes, one high capital value, one downsizer model, in the Wendover/Haddenham localities	Necessary
Housing	Housing LIN report	Wendover, Buckingham, Haddenham –	Developers, housing association, BCC		Developers contributions/ BCC		Enhanced sheltered schemes	Necessary
Housing	Housing LIN report	Buckingham and Winslow	Developers, BCC		Developers contributions/ BCC		2-3 nursing homes required of approx. 200 beds. The CCG asks the council and planners to bear in mind the additional workload care homes place on local GP services and requests Primary Care services are consulted at every opportunity.	Necessary

3.2.2 Long Term (2023 -2033)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date	Additional Comments/Delivery Notes	Status
Housing	Housing LIN report		Developers, housing associations, BCC		Developer contributions/ BCC		Dependant on achieving targets for medium term targets: At least 1 mixed tenure housing with care retirement village: Housing with care dementia units Continuing need for private sector leasehold retirement housing and private sector housing with care schemes; Additional nursing home capacity, estimated between 2 – 3 homes. The CCG asks the council and planners to bear in mind the additional workload care homes place on local GP services and requests	Necessary

							Primary Care services are consulted at every opportunity.	
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4. Waste Disposal

4.1 Medium Term (2018-2023)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date	Additional Comments/Delivery Notes	Status
Household Recycling Centre		Land to be allocated and delivery of a new Household Recycling Centre (HWRC)		£5.0-£5.5 million	Private contractor/BCC	Towards end of 2023	<p>Major development and housing growth numbers will generate additional waste/ recyclable/ compostable materials and the existing HRC site at Rabans Lane has limited development capacity to keep pace with increasing household numbers.</p> <p>The requirement would therefore be for a plot of land of approximately 1-2 hectares, ideally in a non-residential location that could be developed to provide long-term</p>	Necessary

							capacity. Part of the Hampden Fields Planning Application makes on site providing for a household waste recycling centre	
Waste Transfer Station		TBC		£5.0-5.5 million (today's prices)	Private contractor/BCC	Late 2020s	Linked to need for redeveloped HRC, there is a need for additional waste transfer capacity to deal with materials generated within the AVDC area. As the Waste Disposal Authority, BCC must provide outlets for food waste and garden. Currently there are direct delivery options for food waste (Westcott), and some capacity at Aston Clinton for garden waste. However neither of these options can be guaranteed long term. Area required is a building of around 50 x 40 metres in	Necessary

							covered area with external vehicle turning space circa 50x 60 M. Additionally AVDC require bulking/ storage capacity for dry recyclable materials (paper, card, cans, plastics, glass) of similar scale to above.	
Bin storage capacity		Ongoing during housing development		Minimal cost, but some land take implication for each development	Private		Housing developers to build in adequate waste/ recycling/ compost bin storage capacity. Space should be allocated for 1 x 140 litre bin (residual waste), 1 x 240 litre bin (co-mingled dry recyclables), 1 x 40 litre bin (food waste caddy) and 1x 240 litre garden waste bin (for households with gardens).	Necessary

5. Flood Defences

5.1 Medium Term (2018-2023)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date	Additional Comments/Delivery Notes	Status
		All major development sites:			Developer/S106	2018-2023	<p>New flood storage option on Stoke Brook (potential linkages with EA-led HS2 mitigation scheme on Stoke Brook – see specific entry below)</p> <p>A new flood storage option on Wendover Brook (Currently being taken forward as part of the Hampden Fields development)</p> <p>An increase to the dam of the current flood alleviation scheme on the Bear Brook;</p> <p>A flood diversion scheme from the Bear Brook and associated storage option between the Grand Union Canal</p>	Critical

							and the old disused railway embankment crossing Burcott Brook	
Flood Management		Aylesbury East Flood Management system		£475k	Developer/S106	2017-2021	S106 funding secured and paid and now awaiting EA instruction to use.	Necessary
Flood Management		Willows Aylesbury			Developer/S106	2017-2021	HS2 mitigation - Diversion of Stoke Brook to enhance and provide flood mitigation, provision of surface water storage into existing channel, attenuation and slowing of flow upstream to mitigate flooding	Critical
Flood Management		Woodlands			Developer/S106	2017-2021	Potential opportunities via link road design – additional storage? Scheme to be delivered prior to first occupation	
Flood Management		Hampden Fields			Developer/S106	2017-2021	Wendover Brook Flood Alleviation Scheme – being delivered as part of Hampden Fields development.	Critical

6. Emergency Services

6.1 Police

6.1.1 Short Term (2013-2018)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date	Additional Comments/Delivery Notes	Status
Police Station		Bletchley PS replacement		£975,000. £800,000 in current budget allocation. Developer contribution required: £175,000	Joint delivery with Bucks F&RS/Developer contributions	2018	Impact of proposed growth on MK/AVDC boundary may necessitate increased provision. Current costings based on policing existing population. Increased demand from new growth may require enhancements and/or adaptations to provide additional space.	Necessary

6.1.2 Medium Term (2018-2023)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date	Additional Comments/Delivery Notes	Status
Police Station		Adaptations and alterations at Aylesbury PS	Thames Valley Police	£800,000	Joint delivery with Bucks F&RS/Developer contributions	2018	Required to accommodate additional resources linked to/generated by growth	Joint delivery with Bucks F&RS/Developer contributions
Office Accommodation		East Aylesbury Touch down Office	Thames Valley Police		Developer contribution secured through current s106	2020+	2-desk Touch down facility to be delivered to provide visibility and presence in new housing area	Necessary
Office Accommodation		Silverstone Touchdown office	Thames Valley Police		Developer contribution secured through current s106	2020+	2-desk touch down facility to be delivered to provide visibility and presence at new development	Necessary

6.1.3. Long Term (2023-2033)

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date	Additional Comments/Delivery Notes	Status
ANPR Cameras		District Wide	Thames Valley Police	£198,000	Developer contribution		Timescales dependent upon delivery of new development in the	Anticipate that an additional 18 ANPR

							district.	cameras would be required throughout the district at £11,000 per camera
Fleet Vehicles		District Wide	Thames Valley Police	<p>Bicycles - 6 (£4800)</p> <p>PCSO vehicle - 3 (£77,800)</p> <p>Patrol vehicles – 4 (£172,600) £</p> <p>Total:£255,200</p>	Developer contribution			Fleet is generally delivered by way of three options, with costings based on a 5 year life term. Bicycles (£800) PCSO/Nighbour hood Vehicles (£25,900) Patrol/Response Vehicles (£43,150)
ICT		Computer Equipment	Thames Valley Police	£42,500	Developer contribution		Timescales dependent upon delivery of new development in the	Units (including start up costs)

							district.	cost £4250 each. It is estimated that the planned growth will lead to an increase in requirements for 10 additional units
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3.2 Utilities

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date	Additional Comments/Delivery Notes	Status
Ultra-fast broadband	Developers to ensure that there is sufficient broadband capacity to accommodate the new development	Broadband to be provided at all sites	BT or other providers, Developers	Unknown - funded direct by developer/utility companies	Funded direct by developers in consultation with broadband providers	2013 - 2033	Improvements will be delivered as developments come forward	Necessary
High speed broadband	Quainton NDP	High Speed Broadband for Station Road	BT/Developer	£60,000	Match funding (£30k required)	2017		Necessary

3.3 Green Infrastructure

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date	Additional Comments/Delivery Notes	Status
Green Infrastructure	Buckinghamshire Green Infrastructure Delivery Plan	Aylesbury Linear Park - Links to River Thame and Strategic GI network and links to Quarrendon Leas	Developers	Est.£1.85 million (source Draft IDP 2013)	Principally Developers	Plan Period	Linked in with development phasing	Necessary
Woodland Planting	Buckinghamshire Green Infrastructure Delivery Plan	Settlement edge woodland connectivity	Forestry Enterprise, landowners, BBOWT	£20,000-25,000 per Hectare.	English Woodland Grant Scheme (EWGS)	EWGS agreements from 2013.		Necessary
Wetland Planting	Buckinghamshire Green Infrastructure Delivery Plan	Wetland landscape enhancement to link Regional Wetland Park, college lake and canal network	Canal & River Trust; Wildlife Trusts, RSPB, developers	Included in Linear Park above	Principally Developers	During life of Delivery Plan		Necessary
Urban Planting	Buckinghamshire Green Infrastructure Delivery Plan	Urban areas – 'Greening the town'	AVDC Landowners through development schemes as they come forward	Example costs for discrete elements: Sedum/turf roof: £1700/sq. m	Principally Developers	During life of Delivery Plan		Necessary

				Street tree (assume 20-25 grade advanced nursery stock tree, with underground guying) £550 per tree.				
Footpaths/Cycle Ways	Buckinghamshire Green Infrastructure Delivery Plan	Creation of enhanced strategic access link: Buckingham and Whaddon Chase Way	NEP BCC, AVDC, landowners	For new surfacing, assume £75,000 per linear km based on £30 rate per linear metre of crushed stone path and timber edge (assumes shared use route of 2.4 m width).	Principally Developers	During life of Delivery Plan		Necessary

Footpaths/Cycle Ways	Buckinghamshire Green Infrastructure Delivery Plan	Extension of access loops/links at College Wood, new green access links along tributary stream in the Chase	NEP BCC, AVDC, landowners	For new surfacing, assume £75,000 per linear km based on £30 rate per linear metre of crushed stone path and timber edge (assumes shared use route of 2.4 m width).	Principally Developers	During life of Delivery Plan		Necessary
Wood pasture and parkland	Buckinghamshire Green Infrastructure Delivery Plan	Restoration and recreation of wood pasture and parkland	NEP (with input from BCC/AVDC) – liaison with relevant landowners and Forestry Enterprise to facilitate enhanced take up.	Woodland creation £20,000-£25,000 per hectare.	EWGS grant –	During the next phase of EWGS agreements from 2013.		Necessary

Woodland and Orchards	Buckinghamshire Green Infrastructure Delivery Plan	New accessible settlement edge Woodlands and Orchards	NEP AVDC, Forestry Enterprise, landowners, BBOWT (advice and liaison role).	Woodland creation £20,000-£25,000 per hectare.	EWGS grant	During the next phase of EWGS agreements from 2013.		Necessary
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3.4 Open Space, Recreation and Community Facilities

Infrastructure Type	Evidence Base	Required Works	Delivery Partner	Indicative Cost	Delivery Mechanism /Funding	Anticipated Date	Additional Comments/Delivery Notes	Status
Open Space and Children's Play area	Aylesbury East (Kingsbrook)	72ha of open space and children's play area	Developer		S106	1 st LEAP – prior to completion of 250 homes, 1 st NEAP/MUG A, 2 nd NEAP – prior to completion of 940 homes LEAP – prior to completion of 1250 homes		Necessary
Community	Aylesbury					Prior to		Necessary

Centre	y East (Kingsbrook)					occupation of 1500 homes		ry
Woodlands Aylesbury South (North of Stoke Mandeville)	Woodlands Site Allocation	3,500sqm leisure facility, informal/formal open space, parkland and recreational facilities, wildlife areas, water meadows, sports pitches and pavilions, children's play areas, mixed use games area (MUGA) and allotments	Developer		S106			Necessary
Aylesbury South West	South West Aylesbury Site Allocation	Children's play space and informal Public Open Space	Developer		S106			Necessary
Aylesbury South East (Hampden Fields)	South East Aylesbury Site Allocation	Proposed public open spaces, parkland, sports pitches and pavilions, children's play areas, mixed use games areas (MUGA0 and allotments	Developer		S106			Necessary
Aylesbury South	Aylesbury South Site	Public Open Space including children's play area	Developer		S106			Necessary

	Allocation							
Quainton	Quainton NDP	Purchase Upper St playground	N/A	£40k est		2020		Necessary
Quainton	Quainton NDP	Extend Sports Pavilion	N/A	£100k		2019/20		Necessary
Quainton	Quainton NDP	Purchase green space (Station rd)	N/A	£60k		2018/19		Necessary
Quainton	Quainton NDP	MUGA site and equipment	Developer	£45k	S106	2018	Contribution agreed	Necessary
Marsh Gibbon	Marsh Gibbon NDP	Improvements to and refurbishment of sports and recreation facilities and equipment at the Recreation Ground, Summerstown,	Developer	N/A				Necessary
Marsh Gibbon	Marsh Gibbon NDP	New swings for younger children in dedicated play area at the Village Hall	Developer					Necessary
Marsh Gibbon	Marsh Gibbon NDP	Improvements to the Village Hall, including new storage for use by Scout Group.	Developer	£25k	S106			Necessary
Aylesbury	Library Services	Develop service provision outside of Town Centre through small community venues or outreach provision delivered by a small and fit for	Developer	£60k-£80k	S106		Long-term strategy	Necessary

		purpose vehicle						
Buckingham	Library Services	Increase capacity by extending on to car park area	Developer	£100k-£150k	S106			Necessary
Wendover	Library Services	Extend capacity by creating additional rooms on space between main library and meeting room	Developer	£100k-£150k	S106			Necessary
Winslow	Library Services	Relocate to a High St location	BCC	£200k	Capital		Long-term strategy	Desirable
Haddenham	Library Services	Extend public space of the Community Library	BCC	£150k	Capital		Long-term strategy	Necessary