Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
Transport In	frastructure						
Bus	HHUTP	Bus stop improvement programme incorporating bus shelters, dropped kerbs and Real Time Information systems.	Ongoing	Variable	LTP, developer contributions, other improvement initiatives	Relevant funding allocated annually.	HCC
	HHUTP	Integrated timetabling between bus and rail, Hemel Hempstead	Ongoing	TBC	N/a	Review funded from LTP revenue sources – ongoing.	Bus and train operators
	HHUTP	Better bus maintenance (including new cleaning), Hemel Hempstead	Ongoing	TBC	Bus operators	N/a	Bus operators
	HHUTP	Bus priority on key routes, Hemel Hempstead (Maylands/Town Centre/Railway Stations)	2019	£1m	LTP, developer contributions/ external funding	No funding secured.	HCC
	HHUTP	Central Corridor bus priority scheme, Hemel Hempstead	2019	£1m	HCC/ operators	No funding secured	HCC Highways/ operators
	HHUTP	Increased bus frequencies, Hemel Hempstead	2019	TBC	HCC/ operators/ developer contributions	No funding secured	Bus operators
	HHUTP	New road layouts e.g. Leverstock Green. Hemel Hempstead	2019	TBC	External funding	No funding secured.	HCC
Walking/ cycling	HHUTP	Pedestrian guardrail review (e.g. rail station, London/Station Road, Waterhouse St, Heath Lane)	Ongoing	TBC	DBC are undertaking a review of St	No specific funding allocated – to be progressed as part	DBC
	HHUTP	Tactile paving at crossings (e.g.London/StationRd,BridgeStroundabout,Combe St roundabout)	Ongoing	TBC	Furniture and are likely to fund from CIL	of area improvement schemes.	
	HHUTP	Pedestrian environment	Ongoing	TBC		To be delivered as	DBC

Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
		improvements (e.g. Waterhouse Street, Leighton Buzzard Road)				part of Hemel Hempstead Town Centre Masterplan.	
	HHUTP	Informal and formal crossings/refuges, various locations, Hemel Hempstead.	Ongoing	£2-5K (informal) TBC (formal)	Developer contributions/ external funding	Some funding secured. To be delivered through localised initiatives.	HCC
	HHUTP	Canal path seating (station to town centre, Grand Union Canal to Apsley)	Short term	£2K per seat	British Waterways/ developer contributions	No funding secured	Canal and River Trust
	Maylands Master Plan LSTF/ Maylands Urban Realm Improvement Specification	Maylands Avenue Urban Realm Improvements, Hemel Hempstead Phase 1 - £1.25 million Phase 2 - £1.75 million	From 2016	£3 million	S106/DBC Capital/HCC/ LEP	Phase 1 has commenced with DBC and HCC funding	DBC
	HHUTP	Pavement widening in key locations, Hemel Hempstead	From 2016	£2.5-5K per 10m	LTP/ developer contributions/ external funding	Station Road footway has been delivered. Other routes awaiting funding	HCC
	HHUTP	Pavement extension (e.g. Leighton Buzzard Road, Fishery Lane, London/Station Road, St. Albans Road). Hemel Hempstead	From 2016	£5K per 10m	LTP/ developer contributions/ external funding	No funding secured	HCC
	HHUTP	Change traffic priorities to favour pedestrians (e.g. Leighton Buzzard Road). Hemel Hempstead	From 2016	£15-20K per signals	LTP/ developer contributions/ external funding	No funding secured.	HCC
	HHUTP LTP3	Improve access for pedestrians and cyclists into some areas (e.g. Apsley,	2017/18	£500K	LTP/ developer	Part funding from S106.	HCC

Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
		Jarman Park). Hemel Hempstead			contributions/ external funding		
	HHUTP	Provide pedestrian and cycling links to employments zones from residential areas. Hemel Hempstead	Maylands to town centre implemented in 2016. Others to follow	£15-300K per scheme	LTP/ developer contributions/ external funding	To be delivered alongside other schemes.	HCC
	HHUTP	Canal access route/ramp (e.g. London/Station Rd, Fishery Lane). Hemel Hempstead	2017/18	£20K per 10m	Canal and River Trust	Unknown	Canal and River Trust
	HHUTP	Shared cycle track (e.g. St Albans Road, Redbourn Road). Hemel Hempstead	2017/18	£10K per 10m	LTP/ developer contributions/ external funding	No funding secured.	HCC
	HHUTP	Pavement/towpath widening (e.g. Queensway, Grand Union Canal). Hemel Hempstead	Ongoing	£2.5-5K per 10m	HCC/Canal and River Trust	Unknown	HCC/Canal and River Trust
	HHUTP	Improve access to schools on foot/cycle (e.g. Longdean School). Hemel Hempstead	Ongoing	£20K per school	LTP/ developer contributions/ external funding	No funding secured.	HCC
	HHUTP	Junction redesign (e.g. Briery Way to Ellingham Rd link, Leverstock Green Road). Hemel Hempstead	Ongoing	£75-100K	LTP/ developer contributions/ external funding	No funding secured	HCC
	HHUTP	Lighting (e.g. Fishery Lane, Underpass to park, Briery Way, St Albans Hill). Hemel Hempstead	2019	Up to £70K	LTP/ developer contributions/	£30K secured for the delivery of improvements to the	HCC

Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
					external funding	Plough roundabout.	
	HHUTP	Pelican crossings (e.g. Longfield). Hemel Hempstead	2019	£50-70K (Pelican)	LTP/ developer contributions/ external funding	Likely to be delivered as part of wider improvements schemes	HCC
	HHUTP	Introduction of off-street cycle routes (e.g. Gade Valley). Hemel Hempstead	2019	£50K per 100m	LTP/ developer contributions/ external funding	Likely to be delivered as part of wider improvements schemes	DBC
	HHUTP	Green corridors for cyclists (e.g. The Wayside, Brickfield Ave, Longfield, Fourdrinier Way). Hemel Hempstead	2019	£50K per 100m	LTP/ developer contributions/ external funding	Some are part funded. Likely to be delivered as part of wider improvements schemes	HCC
	HHUTP	Improve Plough Roundabout to ensure cyclists' safety. Hemel Hempstead	2019	£500K	LTP/ developer contributions/ external funding	No funding secured.	HCC
	DBLP	Completion of cycle route between Two Waters, Apsley and Nash Mills. Hemel Hempstead	2021	TBC	Developer contributions	Nominal Funding committed via S.106	НСС
	HHUTP	Improvements to National Cycle Network Route 57 (Chesham to Nickey Line to Hemel Hempstead town centre). Hemel Hempstead	2021	£50K per 100m	LTP/ developer contributions/ external funding	No funding secured	Sustrans
	Urban Park Project	Durrants Hill Rd footpath improvements. Hemel Hempstead	2016/17	£3K	GAF/ Developer Contributions	Funding secured	HCC/DBC
	HCC Cycling	Implementation of HCC Cycling	Variable	£36m for all	LTP/	No funding secured.	HCC

Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
	Strategy	Strategy. Hertfordshire wide. The UTPs are the delivery mechanism, and the modal share strategy (underway) will integrate sustainable modes of travel.		of Herts	developer contributions/ external funding		
	NTBUTP	Pedestrian Crossing facilities on Greenway, Berkhamsted	2016/17	£8K	LTP/LSTF/SRt S	N Part funded	HCC
	NTBUTP	Improvements to footpath 48 to introduce mixed use (Safer Route to Goldfield School)	Unknown	£50K	LTP/SRtS	No funds secured	HCC
	NTBUTP	Improvements to footpath 39, Tring - Remove clutter - Informal crossing point on London Road by Tesco Footpath along northern edge of London Road between path 39 and Dunsley Farm.	2018/19	£65K £10K £15K £40K	LTP	No funding secured	HCC
	NTBUTP	Improvements to footpath 41, Tring - Zebra crossing between Shugars Green and Silk Mill - Zebra crossing on Silk Mill Way - Introduce Shared Use	Unknown	£180K £60K £60K £60K £60K	LTP/LSTF	No funds secured	HCC
	NTBUTP	Extend cycle facilities in Tring from London Road to connect to town centre - Segregated cycle track to Brook St - Provide alternative alignment via High Street	2019/20	£133K £25K £20K £25K £55K	Developer Contributions/L TP	No funding secured	HCC

Infrastructure Delivery Plan 2016

Transport Schedule

Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
		 Improve link to High Street via market Brook Street Zebra crossing Shared facility during maintenance 		£8K			
	NTBUTP	Cycle Route from Tring Station to Pitstone - Off road link to Pitstone via Northfield Road - Marshcroft Lane link from Pitstone to Tring Station - Marketing	2018/19	£600K	Developer Contributions/L STF	Part funded	HCC
	NTBUTP	Electric Bikes	Ongoing	Unknown	Unknown	No funds secured	HCC/DBC
	NTBUTP	Legibility initiatives in Berkhamsted and Tring - Signage in Berkhamsted - Signage in Tring - Signage to Berkhamsted Station - Signage to Tring Station - Chilterns Cycleway Inter-Urban Routes	Ongoing	£150K £20K £15K £30K £30K £25K £30K	Developer contributions/L TP	No funds secured.	HCC/DBC
	NTBUTP	Canal Towpath Improvements – Tring Cow Roast-Station Road	Unknown	£250K	Developer Contributions	No funding secured	CART
	NTBUTP	Canal Towpath Improvements – Berkhamsted - Park Street - Bridge 135 - St John Well's Lane - Bridge 134 - Way Finding	2015 onwards	£569K £75K £40K £180K £180K £180K £10K	Developer Contributions	Part funded/delivered	CART

Infrastructure Delivery Plan 2016

Transport Schedule

Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
		- Pedestrian Priority Signs		£4K			
	NTBUTP	Cycle Improvements at Berkhamsted and Tring Gateways - Warning signs - Reconfigure Northchurch and Kingshill - Remove inadequate facilities, - Provide cycle facilities - Warning Signs	?	£95K £6K £18K £60K £8K £3K	LTP	No funds secured	HCC/DBC
Rail	LTP2	- DDA access scheme at Hemel Hempstead station	2016	Unknown	TOCs	No funding secured	HCC/TOCs
	HHUTP	RTPI at stations. Hemel Hempstead	2019	Unknown	TOCs	Funds secured	TOCs
	HHUTP	Increased rail frequencies, Hemel Hempstead, Berkhamsted, Tring, Kings Langley	2019	TBC	TOCs	Unknown	London Midland
	HHUTP	CCTV at rail stations. Hemel Hempstead, Berkhamsted, Tring, Kings Langley	2019	£250K	TOCs	Unknown	London Midland
	HHUTP	Increased track capacity on West Coast Mainline. Hemel Hempstead, Berkhamsted, Tring, Kings Langley	2029	TBC	DfT/TOCs	Unknown	Network Rail
	HHUTP	Longer trains. Hemel Hempstead, Berkhamsted, Tring, Kings Langley	2029	TBC	TOCs	Unknown	London Midland
	NTBUTP	 Tring Station Improvements Improvements to cycle provision Cycle security Improve cycle conditions at Station Road bridge 	Unknown	£65K £30K-40K £15K-20K £5K	LTP/London Midland	Funding not secured	HCC
	NTBUTP	Berkhamsted Station Improvements - Taxi and Vehicle Drop Off zone - Junction Signage at Brownlow	Unknown	12K	LTP/London Midland	Funds not secured.	HCC

Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
		Roadn Expand parking restrictions to White Hill					
	NTBUTP	Railway Underbridge Improvements (Brownlow Road and New Road) - Signage - Lighting	Unknown	£38K £30K £8K	LTP	Funds not secured	HCC
	HHUTP	- Freight Travel Plans. Hemel Hempstead	Unknown	£20K	LTP	No funding secured	HCC
	HHUTP	- Route maps for hauliers. Hemel Hempstead	Unknown	£10K	LTP, adjoining highway authorities, the HA	No funding secured	HCC, CBC and HA
Road	DBC	Maylands Growth Corridor					
		- Improve junction access from Three Cherry Trees Lane into Spencer's Park and associated highway works to deliver Spencer's Park scheme	Ongoing	£1.5m	Developer/ GPF/HCA/ DBC/LEP	Alongside development	Developer
		- Boundary Way/Buncefield Lane access for the Maylands		£2m	HCA/ Developer	Funding not secured	HCA/ Developer
		Gateway Site - Boundary Way/Green Lane access to the Maylands Gateway site and associated Utilities infrastructure		£2m	DBC/LEP	Funding not secured	DBC/LEP
		- Redesign roundabouts (e.g. A414). Hemel Hempstead		£100-500K	LTP/developer contributions/ external funding	Funding not secured	HCC
	HHUTP	Lower speed limits (e.g. Breakspear Way). Hemel Hempstead	From 2014	£30K per link	LTP/ developer	No funding secured	нсс

Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
					contributions/ external funding		
	HHUTP	Traffic calming (e.g. Chaulden, Bunkers Lane). Hemel Hempstead	From 2014	£10K per 10m	LTP/ developer contributions/ external funding	No funding secured	HCC
	Identified by consultants, confirmed by HH/TNBUTP	Signalise Kings Road/Kingshill Way/ Shootersway Berkhamsted	2017	£415K-500K	HCC/ developer contributions	Funded	HCC
	TNBUTP	Improve operation of the junction of High Street and Kings Road, Berkhamsted	Unknown	£100K	LTP/ developer contributions	No funding secured	нсс
	TNBUTP	Improvements to the New Road corridor between the High St and South Bank Road - HGV limitations - Cycle/Walkway link to canal (£2-4K) - and Cycle link between Springfield Road and New Road	Unknown	£185K £30K-35K £2K-4K £100K-150K	LTP/ developer contributions	No funds secured	нсс
	TNBUTP	Traffic calming and extension of 20mph zone at High St, Berkhamsted	Unknown	£660K	LTP/developer contributions	No funds secured	HCC/DBC
	TNBUTP	Improvements to the Billet Lane corridor between Gossoms End and Bridgewater Road	From 2015	£75K	LTP/developer contributions	Partially funded and implemented.	HCC

Infrastructure Delivery Plan 2016

Transport Schedule

Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
		 Signal Upgrade to MOVA New shared facility between canal and junction with Gossom End 		£45K £6K			
		- ASL Signals		£6K			
		- New Railing		£2K			
		 Informal crossing on Billet Lane 	Delivered	£6K			
		 Signalised pedestrian crossing on Billet Lane arm 	Delivered	£10K			
	TNBUTP	Speed Management – Aylesbury Road	Unknown	£165K	LTP	No funds secured	НСС
		Buffer zoneOff carriageway cycle		£15K £150K			
	TNBUTP	Speed Management – New Road, Northchurch	Unknown	£44K	LTP	No funds secured	HCC
		 20mph speed limit between High St and canal 		£10K			
		 Rippleprint at entrance to 30mph zone 		£34K			
	TNBUTP	Speed Management – Kings Road	Unknown	£10K	LTP	No funds secured	HCC
	TNBUTP	Speed Management – Station Road	Unknown	£15K	LTP	No funds secured	HCC
	TNBUTP	Speed Management – London Rd into Tring	Unknown	£15K	LTP	No funds secured	HCC
	TNBUTP	Speed Management – Brook Street	Unknown	£44K	LTP/LSTF	No funds secured	HCC
		 Vehicle activated Sign Roundels on Brook St 		£10K			
		 Rippleprint at entrance into 30mph 		£34K			

Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
	TNBUTP	Speed Management – Icknield Way	Unknown	£14K	LTP	No funds secured	HCC
	TNBUTP	Traffic Calming and extension of 20mph to Gravel Path, Berkhamsted - Gateway features - Speed Humps - Surfacing	Unknown	£84K £13K £65K £6K	LTP/LSTF	No funds secured	HCC
	TNBUTP	Traffic Calming and extension of 20mph into Castle Street/Mill Street, Berkhamsted	Unknown	£18K	LTP	No funds secured	HCC
	TNBUTP	Speed Management – Tring Station	Unknown	£14K	LTP	No funds secured	HCC
	TNBUTP	Speed Management – Northchurch High St	Unknown	£10K per island £10K per VASR	LTP	No funds secured	HCC
	TNBUTP	Traffic Calming to 20mph at schools	Unknown	£15K per school	LTP	No funds secured	HCC
	TNBUTP	Speed Cushions to Silk Mill Way	Unknown	£45K	LTP	No funds secured	HCC
	HHUTP	Junction improvements and roundabouts (e.g. Maylands & A414, Plough roundabout, Box Ln/Felden Ln. Hemel Hempstead	2019	£500-750K per junction	LTP/ developer contributions/ external funding	No funding secured.	HCC
	HHUTP	Re-design site entrances (e.g. Jarman Park)	2019	£500K	LTP/ developer contributions/ external funding	£90K secured towards pedestrian crossing to Jarmans.	HCC
	HHUTP	Redesign roads and junctions (e.g.	2021	£2m	LTP/	No funding secured.	HCC

Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
		Bourne End slip road, Two Waters flyover). Hemel Hempstead			developer contributions/ external funding		
	HHUTP	High Occupancy Vehicle (HOV)/HGV lanes (e.g. on M1, A414). Hemel Hempstead	2019	£250K	LTP/ developer contributions/ external funding	No funding secured.	Highways Agency
	HHUTP	Maintain highways (e.g. A414, Maylands Ave, Link Road). Hemel Hempstead	2019	£250K	LTP revenue funding	No funding secured.	HCC
	HHUTP	Redesign entrances and improve access for vehicles (e.g. Green Ln into Maylands, Redbourn Rd into Cupid Green, Woodhall Farm egress). Hemel Hempstead	2019	£750K per access	LTP/ developer contributions/ external funding	No funding secured apart from GPF funding for improved access to Spencers Park.	HCC
	HHUTP	Provide new roundabouts (e.g. Leverstock Green Road/Bedmond Road). Hemel Hempstead	2019	£500K each	LTP/ developer contributions/ external funding	No funding secured.	HCC
	HHUTP	HGV park in Maylands. Hemel Hempstead	2019	£500K	LTP/ developer contributions/ external funding	No funding secured.	Maylands Partnership
	HHUTP	Lorry Bans (e.g. in residential areas). Hemel Hempstead	2019	£100K	LTP/ developer contributions/ external funding	No funding secured.	HCC
	HHUTP	Low Emission Zone (e.g. along A414). Hemel Hempstead	2019	£500K	LTP/ developer contributions/ external funding	No funding secured	HCC

Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
	HHUTP	Freight transhipment facilities (e.g. into Maylands). Hemel Hempstead	2019	£5m	LTP/ developer contributions/ external funding	No funding secured.	HCC
	HHUTP	Introduce home zones (e.g. Adeyfield). Hemel Hempstead	2019	£500K per street	LTP/ developer contributions/ external funding	No funding secured	HCC
	HHUTP	New traffic signals (e.g. on A414 with Green Lane, with Maylands Ave)	2016/17	£40K per junction	LTP/ developer contributions/ external funding	Funded and under construction	HCC
	Identified by consultants, confirmed by HH	London Road/Station Road junction improvements. Hemel Hempstead	2021	£2m	LTP/ developer contributions/ external funding	No funding secured.	Hertfordshire Highways
	DBLP Core Strategy LTP3 HHUTP	Maylands Growth Corridor – NE Hemel Hempstead Relief Road	2029 if required.	£3-5m per km	Developer contributions	No funding secured.	HCC
	HHUTP	New bridges (e.g. over canal). Hemel Hempstead	2029	£2-5m per km	LTP/ British Waterways/ developer contributions/ external funding	No funding secured.	HCC
	HHUTP	Provide roundabouts (e.g. Shenley Rd/ Redbourn Rd). Hemel Hempstead	2029	£500K each	LTP/ developer contributions/ external funding	No funding secured.	HCC
	HHUTP	Leisure and destination Travel Plans	Short term	£30K per site	HCC or DfT	No funding secured	DBC/HCC

Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
		(e.g. Jarman Park, Station, Hospital). Hemel Hempstead			capital		
	HHUTP	Safer Routes to School, Hemel Hempstead	From 2016	£6K-£10K per school	LTP/developer contributions/ external funding	Unknown	HCC
	TNBUTP	Smarter Travel Plans Travel Plans Marketing Sustainable Transport Car Share and Car Club schemes 	Ongoing	120K Start - up cost and 100-150K thereafter.	Developer contributions/ External funds	No funds secured	HCC
	NTBUTP	Real Time Information for - town centre bus stops - Station - bus stops in Berkhamsted, Northchurch - along route 500	Ongoing	£155K £80K £15K £60K tbc	LTP	Part funded	HCC
Community Transport measures	HHUTP	Allow more taxis to collect at railway station. Hemel Hempstead	From 2018	£10K	LTP/ developer contributions/ external funding	No specific budget allocated – to be delivered as part of improvements to station forecourt.	DBC/Alongside development
Parking	HHUTP	Remove Parking around schools. Hemel Hempstead	Ongoing	£20K per school	HCC	Unknown	DBC
	TNBUTP	Review of double yellow lines on junctions and white lines	2019	£8K	LTP	No funds secured	HCC
	TNBUTP	Increase parking restrictions along Beggars Lane	2016	£6K	LTP	No funds secured	HCC
	TNBUTP	Bridgewater Road parking restrictions	2016	£3K	LTP	No funds secured	HCC

Category	Source	Infrastructure Project	Indicative Delivery Date	Estimated Cost	Funding Sources	Funding status	Lead Delivery Agency
	TNBUTP	Improvements to parking in Northchurch Local Centre	Unknown	£45K	LTP	No funds secured	HCC
	TNBUTP	Review parking arrangements and implementation of yellow lines at Cow Lane, Tring	2019	£6K	LTP	No funds secured	HCC/DST
	TNBUTP	Review of Parking in Town Centre - replacement signs - additional signs	2019	£8K	LTP	No funds secured	HCC
	TNBUTP	Variable Message signs for Town Centre (Berkhamsted)	2019	£100K	LTP/S.106	No funds secured	HCC
	HHUTP	Provide additional parking for disabled drivers	From 2014	£50K	TBC	No funds secured	DBC
	DBC	Berkhamsted MSCP	From 2017	£3m	DBC	Funds secured	DBC
	HHUTP	Provide Motorcycle parking (e.g. railway stations, Maylands, Marlowes)	From 2014	£50K	ТВС	No funds secured	DBC