

Ref	Infrastructure Requirements	Detail	Priority	Indicative Costs	Cost reference	Cost reasoning	Secured Funding	Funding reference	Current Funding Gap	Estimated Cost to be Apportioned to LDP Sites	Remaining Funding Gap	Main Funding Sources	Delivery Partners	Delivery Timeframe				Relevant LDP sites	Notes	
														2018/19	2023/24	2028/29	2033/34			
IDP CHAPTER 3 - TRANSPORT AND MOVEMENT															2022/23	2027/28	2032/33	2037/38		
Sustainable Transport Measures																				
Mitigating the impact of traffic in Brentwood Urban Area																				
T1	BUA School Clear Zone	Create School Clear Zone to restrict all vehicles from stopping, parking for drop off during AM/PM peaks from a specific area(s). Parking allowed in legally designated car parks and spaces on the High St within the zone. Should reduce congestion at AM peak. Additional benefit of improving air quality at Wilson Corner. Public Transport exempt.	3	£680,000	Transport Assessment, 2020	£40,000 per school. Deliverables: • New signage where possible on existing posts to define the zone, resurfacing outside school entrances, parking removal, lining introduction • Traffic Regulation Orders (TRO) • Registering resident vehicle numbers within the zone • Enforcing zone with existing Parking staff	£0		£680,000	£680,000	£0	S.106	BBC / ECC				R11, R12, R13, R14, R15, R18, R19			
T2	BUA School Drop-off/ Pick-up Points	Designated drop-off/ pick-up points at King George's car park East and West. Work involves provision of bike sheds and relamping.	3	£210,000	Transport Assessment, 2020	Costs include: • Two new drop off points and 100 bike cycle parking hubs within King Georges Car Park West and East: £1,000-£2,000 each x2 • Create covered safe waiting areas £200,000	£0		£210,000	£210,000	£0	S.106	BBC / ECC				R11, R12, R13, R14, R15, R18, R19			
T3	BUA Park and Stride Car Parks	Park and Stride Car Parks adjacent to Hutton Country Park, Brentwood Centre and King George's Fields.	3	£5,250,000	Transport Assessment, 2020	Costs include measurements such as new access, access improvements, resurfacing existing car park, lighting, utilities diversion and drainage allowance.	£0		£5,250,000	£0	£5,250,000	CIL	BBC / ECC / Developers				All relevant development (including non-allocated sites.)	Cost ranges from £4,200,000 - £5,250,000. The top range estimate has been used.		
Reduce vehicle emission levels and future-proof infrastructure																				
T4	New E-charging Infrastructure	Upgrade existing public carparks to introduce electrical parking points on 10% of parking space by 2025 to encourage use of such vehicles; plan and deliver other IT infrastructure redundancy to allow future implementation of emerging SMART systems. Important to facilitate sustainable north/south movements from DHGV to Central Brentwood.	2	£250,000	BBC estimates	• Installation cost of a commercial EV charging station is between £1,000-£1,500 each. • Number of public car parking facilities administered by the Council is 1,702.	£0		£250,000	£0	£250,000	CIL	BBC / ECC / Developers				All relevant development (including non-allocated sites.)	This cost is addition to Policy BE15 requirements which set out all new residential and commercial developments should include e-charging spaces for car clubs using e-vehicles and charging hubs for e-bikes.		
T5	Central Brentwood Restricted Freight Zone	Ban all large freight vehicle from stopping deliveries within the Central Brentwood zone and A128 corridor during AM/PM peaks. New developments sites won't compete with Central Brentwood as the retail centre. The larger population could lead to more large vehicles stopping for extended periods to service new developments and a busier High Street. Headline cost only.	2	£20,000	BBC estimates	Costs include, but not limited to: • Traffic Regulation Order: £4,000 • Deliver new signage where possible on existing posts to define the zone.	£0		£20,000	£20,000	£0	S.106	BBC / ECC / Developers				R04, R05, R10, R11, R12, R13, R14, R15, R18, R19			
Public Realm Improvements																				
T6	Legible Brentwood	Introduce a pedestrian wayfinding system like Legible London, e.g. installation of totems, fingers post and integrating wayfinding maps at existing bus stops and street furnitures, to encourage and facilitate walking.	1	£110,000	Transport Assessment, 2020	Installation of totems costs appr £5,000 each. Installation of fingers posts costs appr £500 each. Potential locations for Legible Brentwood installations are detailed in the emerging Sustainable Transport Measures, Transport Assessment.	£0		£110,000	£0	£110,000	CIL	BBC / ECC				All relevant development (including non-allocated sites.)			
T7	Brentwood Town Centre Public Realm Enhancement	Prioritise public realm improvements within Brentwood Town Centre linked to site development opportunities, as set out in the Design Plan. Public realm enhancement include but not limit to actions such as: - Pavement improvements - Pedestrian and vehicle accessibility improvements - Landscaping and street lighting	2	£8,000,000	BBC estimates	Based on the level of design information provided. The estimate is based on approximate quantities measured from drawings of the Design Plan; it is based on capital construction costs only ie. landscape and ecology, traffic sign and road marking, kerbs, footway and paved areas; it excludes factors such as Land/Property purchase, diversion of service, inflation, etc.	£0		£8,000,000	£0	£8,000,000	CIL	Developers / ECC / BBC				All relevant development (including non-allocated sites.)			
T8	Brentwood and Shenfield Railway Station Public Realm Improvement	Support major improvements to public realm at Shenfield and Brentwood Railway Stations. Building upon the stakeholder endorsed masterplanning work to introduce a series of public realm, accessibility and connected infrastructure improvements.	2	£9,000,000	BBC estimates		£0		£9,000,000	£9,000,000	£0	S.106	Rail Operators / Crossrail / BBC / ECC				R01, R02, R03, R04, R05, R06, R07, R08, R09, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, E08, E10, E11, E12, E13	To be considered together with T12.		
Walking / Cycling																				
T9	Walking and Cycling Infrastructure at new developments (excluding DHGV)	Introduce new walking and cycling infrastructure within new developments, particularly strategic sites. Site by site analysis required of options to introduce new walking and cycling infrastructure linked to new development and wider green infrastructure.	2									S.106	ECC / BBC / Developers				All allocated sites (except DHGV)	In line with LDP Policy BE13. Walking and Cycling Infrastructure requirements for DHGV is costed separately under item T21.		
Cycle Infrastructure																				
T10	Quietway Cycle Routes in Brentwood Urban Area	Plan and deliver in phases cycle routes in Brentwood Urban Area initially connecting Transfer Hubs to Town Centre schools. Segregated routes where possible. Where not consider contra-flow cycling routes by creating new one-way streets. Consider 20mph in the zone.	2	£5,000,000	Transport Assessment, 2020		£0		£5,000,000	£5,000,000	£0	S.106	ECC				R04, R05, R10, R11, R12, R13, R14, R15, R18, R19			

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T11	Brentwood Cycling Grid	Improvements and potential new cycle routes across the Borough, as identified in the Cycle Action Plan. Infrastructure improvements have been considered for the urban areas of Brentwood, Shenfield and Ingatstone.	2	£12,200,000	Brentwood Cycle Action Plan, 2018	Deliverables might include signed routes (with journey times and surface markings), networks of interconnected cycle routes on quiet residential streets, filtered permeability (e.g. convenient cut-throughs and contraflows) and, where appropriate, 2nd generation cycling infrastructure, such as Dutch, Danish, or light segregation.	£0		£12,200,000	£0	£12,200,000	CIL	ECC / BCC					All relevant development (including non-allocated sites.)	Cost ranges from £5,700,000 - £12,200,000. The top range estimate has been used.
T12	Railway Station Cycle Infrastructure (Northern growth corridor)	Introduce high quality cycle parking and supporting facilities at Brentwood, Shenfield and Ingatstone railway stations which currently suffer from poor cycle infrastructure, and require upgrading.	1	£200,000	BBC estimates		£0		£200,000	£200,000	£0	S.106	Rail Operators / ECC					R04, R05, R10, R11, R12, R13, R14, R15	To be considered alongside Brentwood and Shenfield Railway Station public realm projects (T8). West Horndon station public realm improvement is costed separately in T16.
Bus Infrastructure																			
T13	Bus Service Improvements	Feasibility study into bus service improvements / demand responsive transport (DRT) – particularly linked to new developments and major transport hubs.	3	£300,000	BBC estimates		£0		£300,000	£0	£300,000	CIL	Bus Operators / ECC					All relevant development (including non-allocated sites.)	
Community Transport																			
T14	Multiple Community Transport Initiatives	Create and/or promote a multiple service App making access to smart car hire/ car clubs / community buses/ booking bikes (including e-bikes) etc. easier. Partner with software organisation that creates community-based apps. Pays for itself through advertising.	3	£70,000	BBC estimates	On average a medium complexity app costs around £4,000 - £70,000. More complex app usually goes beyond £70,000. By comparison, the cost of an app such as Uber is between £30,000-£35,000 at £70 hourly rate on one platform (iOS or Android).	£0		£70,000	£0	£70,000	CIL	BBC / Partners					All relevant development (including non-allocated sites.)	
Southern Growth Corridor																			
T15	West Horndon Station Interchange	West Horndon New Transport Interchange: Create through phases a new multi-modal interchange at West Horndon Station. This interchange will serve the DHGV, Childerditch, West Horndon and Enterprise Development sites, plus any future Northern Thurrock developments.	1	£16,750,000	Brentwood South Growth Corridor Sustainable Transport Integration Vision, 2020	• £14.75M (excluding any major highways structures and major utility diversions) • Traffic Management and landscaping is excluded (allow for £1-2M)	£0		£16,750,000	£16,750,000	£0	S.106	Developers / BBC / Rail Operators / ECC					R01, R02, E10, E11, E12, E13	Cost ranges from £15,750,000 - £16,750,000. The top range estimate has been used.
T16	West Horndon Public Realm Improvements	Remodel Station Road to improve bus movement and accommodate safer cycling and pedestrian movements.	1	£3,500,000	Brentwood South Growth Corridor Sustainable Transport Integration Vision, 2020	• £2.5M (excluding any major utility diversions) • Traffic Management and landscaping is excluded (allow for £0.5-1M)	£0		£3,500,000	£3,500,000	£0	S.106	Developers / BBC / ECC					R01, R02, E10, E11, E12, E13	Cost ranges from £3,000,000 - £3,500,000. The top range estimate has been used.
T17	A127 Corridor Strategic Improvement	Revise the layout of the A127 from M25 J.29 to A128 to incorporate segregated cycle tracks and better pedestrian provision.	2	£44,000,000	Brentwood South Growth Corridor Sustainable Transport Integration Vision, 2020	• £39M (excluding any major highways structures and major utility diversions) • Traffic Management and landscaping is excluded (allow for £5M)	£0		£44,000,000	£44,000,000	£0	S.106 / S.278	Developers / BBC / ECC					R01, R02, R04, R05, E10, E11, E12, E13	
T18	A127 Bus Infrastructure	New Bus Route Infrastructure – new linked bus and/or demand responsive transport (DRT) route serving key new developments within the southern growth corridor. Early adoption of bus infrastructure within DHGV and other key extension / development sites supported with appropriate infrastructure with connection via West Horndon Transport Interchange.	1	£8,000,000	BBC estimates		£0		£8,000,000	£8,000,000	£0	S.106	ECC / Bus Operators / Private Operators					R01, R02, E10, E11, E12, E13	
T19	B186 Warley Street	Revise the B186 with the A127 to accommodate cyclist pedestrian and vehicle movements in a more balanced way. To be delivered with J.19 & J.20 (A127/B186) Mitigation (see item T24)	1	£7,000,000	Brentwood South Growth Corridor Sustainable Transport Integration Vision, 2020	• £6M (excluding any major highways structures and major utility diversions) • Traffic Management and landscaping is excluded (allow for £1M)	£0		£7,000,000	£7,000,000	£0	S.106 / S.278	ECC / BBC / Rail Operators					E10, E11	Subject to major road network (MRN) bid. Cost includes J.19 & J.20 (A127/B186) Mitigation (detailed in item T24)
Dunton Hills Garden Village																			
T20	DHGV - Widening Connectivity (A128 and Tilbury Road)	Feasibility studies into improved pedestrian connectivity. Options to be explored looking at feasibility of providing additional connectivity to surrounding areas. Capital costs headline estimate only.	1	£14,250,000	Transport Assessment, 2020	• £12.25M (excluding any major earthworks or highways structures) • Traffic Management and landscaping is excluded (allow for £2M)	£0		£14,250,000	£14,250,000	£0	S.106 / S.278	Developers / BBC / ECC					R01, R02, E13	
T21	DHGV - Walkways / Cycleways	Significantly opportunities at an early stage in the development to engrain a series of strategic walkways / cycleways across the scheme, linking to rights of ways and key ecology corridors.	2	£1,800,000	BBC estimates		£0		£1,800,000	£1,800,000	£0	S.106	Developers / BBC / ECC					R01, R02, E13	
T22	DHGV - Sustainable Transport Hub	Cycle Hub and Charging Points - Dunton Hills e-bike / cycle hub – integrated cycle hub with supporting facilities. Opportunity to engrain enhanced cycle facilities within the scheme to promote and support the uptake of e-cycles and conventional bikes / possible link to e-charging infrastructure.	1	£300,000			£0		£300,000	£300,000	£0	S.106	Developers					R01, R02, E13	

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T23	DHGV - Public Realm and Village Square	Public Realm - New pedestrian focused village centres / civic square at DHGV. Subject to detailed masterplanning there will be a need to provide high quality public realm or civic square associated with the garden village.	2	£5,000,000	BBC estimates		£0		£5,000,000	£5,000,000	£0	S.106	Developers					R01	
Highways Measures																			
T24	J.19 & J.20 (A127/B186) Mitigation	Mitigation scheme to facilitate the additional traffic associated with Brentwood Enterprise Park. Cost included in B186 Warley Street revision scheme (see T19).	1	£0	Transport Assessment, 2020		£0		£0	£0	£0	S.106 / S.278	Developers / ECC					E10, E11	To be considered together with B186 Warley Street revision scheme (T19). Costs included in T19.
T25	J.13 (A127/A128 Brentwood Road / Tilbury Road) Mitigation	Further mitigation to Junction 13, which enhances ECC's mitigation scheme. The estimated cost outlined here is only for the addition of the Traffic Signals to the A127 Eastbound exit arm. Costs associated with the Ringway Jacobs and Essex County Council mitigation have not been included.	1	£300,000	Transport Assessment, 2020		£0		£300,000	£300,000	£0	S.106 / S.278	Developers / ECC					R01, R02, E13	
T26	J.15 and J.16 - Double Mini-Roundabout Mitigation	Mitigation to convert the Running Waters/ Brentwood Road roundabout into a signalised junction. The two signalised junctions will be linked to improve traffic management through the two junctions.	2	£3,000,000	Transport Assessment, 2020		£0		£3,000,000	£3,000,000	£0	S.106 / S.278	Developers / ECC					R01, R04, R05, R07, R14, R15, R16, R17, R19, E13	
T27	J.24 Staggered Priority Junctions	Widening of A12 Off-Slip Road, provision of traffic signals at A12 Off-Slip / Roman Road junction and a splitter island.	2	£450,000	Transport Assessment, 2020		£0		£450,000	£450,000	£0	S.106 / S.278	Developers / ECC					E08, R21, R22	
T28	J.28 (M25) Improvements	Costs / exact project to be confirmed following ongoing discussion.	1	TBC			£0		TBC	TBC	TBC	S.106 / S.278 / External Funding	HE(LTC) / Developer					R03, R04 and R05, R06, R08, R09, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22	A proportion of this is to be funded externally. Level of apportionment and potential external funding sources are subject to ongoing discussion.
T29	J.29 (M25) Improvements	Very high-level cost based on limited information available at this stage and allows a reasonable level of contingency and is for the purpose of informing early discussions only	1	£38,500,000	Transport Assessment, 2020		£0		£38,500,000	£38,500,000	£0	S.106 / S.278 / External Funding	HE(LTC) / Developer					R01, R02, E10, E11, E12, E13	A proportion of this is to be funded externally. Level of apportionment and potential external funding sources are subject to ongoing discussion.
T30	Signalised Junctions Improvements	Implementing Microprocessor Optimised Vehicle Actuation (MOVA) to improve performance of four junctions that are identified as close to or only just above a reasonable level of capacity. The cost of implementing MOVA would be around £170,000 per junction. • A1023 Chelmsford Road/ A129 Hutton Road/ A1023 Shenfield Road • J.10 A1023 High Street/ B185 Kings Road/ A1023 London Road/Weald Road • J.18 B186 Warley Hill/Eagle Way/ B186 Warley Road/ Mascalls Lane • J.17 A1023 Brook Street/ Mascalls Lane	2	£680,000	Transport Assessment, 2020		£0		£680,000	£680,000	£0	S.106 / S.278	Developers / ECC					See breakdown below: • R03 • R10, R11, R12, R13, R14 • R04, R05, R08, R09 • R06	
Total – Transport & Movement				£184,820,000			£0		£184,820,000	£158,640,000	£26,180,000								
IDP CHAPTER 4 - ENERGY																			
Electricity Infrastructure																			
EN1	Dunton Hills Substation	Further technical analysis required. No costs detailed at this stage.	2	Unknown			£0		Unknown	TBC	£0	S.106	UKPN / Developer					R01, R02, E10, E11, E12, E13	
EN2	Dunton Hills Pylons	Assessment and potential removal of pylon infrastructure. No costs available at this stage.	2	Unknown			£0		Unknown	TBC	£0	S.106	UKPN / Developer					R01	
TOTAL - Energy							£0				£0								
IDP CHAPTER 5 - WATER AND DRAINAGE																			
Flood Risk																			
WD1	Surface Water Flood Risk Mitigation	Mixed portfolio of current flood risk mitigation measures linked to the Surface Water Management Plan priorities. Costs may be subject to significant variation.	1	£3,000,000	BBC estimates	Based on estimated costing for a range of SuDS systems identified in the Surface Water Management Plan for Brentwood Borough (2015)	£0		£3,000,000	£0	£3,000,000	CIL	ECC / Developers						
SuDS and Drainage Strategy																			

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WD2	SuDS & Drainage - DHGV	Water management strategy, integrating hydrology modelling, site remodelling and SuDS and flood risk management. Headline costs only.	2	£1,500,000	BBC estimates	Based on estimated costing for a range of SuDS systems identified in the Surface Water Management Plan for Brentwood Borough (2015)	£0		£1,500,000	£1,500,000	£0	S.106	ECC / EA / Developers					R01	
WD3	SuDS & Drainage - Land North of Shenfield	Water management strategy, integrating hydrology modelling, site remodelling and SuDS and flood risk management. Costs may be subject to significant variation.	2	£600,000	BBC estimates	Based on estimated costing for a range of SuDS systems identified in the Surface Water Management Plan for Brentwood Borough (2015)	£0		£600,000	£600,000	£0	S.106	ECC / EA / Developers					R03	
WD4	SuDS & Drainage - Brentwood Town	Comprehensive Water Management Drainage Strategy with Works. Ensure that sustainable drainage systems and appropriate levels of Green Infrastructure are integrated within identified large-scale brownfield regeneration sites. Significant assets run beneath the site. Brentwood Station - protection of these assets are sought, it may require several wayleaves / easements. Drainage hierarchy to be followed in addressing surface water. Costs may be subject to significant variation.	2	£800,000	BBC estimates	Based on estimated costing for a range of SuDS systems identified in the Surface Water Management Plan for Brentwood Borough (2015)	£800,000	ECC	£0	£0	£0	External Funding	ECC / EA						Scheme will be led and delivered by EA and ECC.
WD5	SuDS & Drainage - West Horndon	Ensure that sustainable drainage systems and appropriate levels of Green Infrastructure are integrated within site.	2	£500,000	BBC estimates	Based on estimated costing for a range of SuDS systems identified in the Surface Water Management Plan for Brentwood Borough (2015)	£0		£500,000	£500,000	£0	S.106	ECC / Developers					R02	
WD6	SuDS & Drainage - Warley Sites	We would expect that a holistic drainage strategy will be prepared for sites R04 - Council Depot, The Drive, Warley and R05 -Ford Offices, Eagle Way, Warley, Brentwood. Drainage hierarchy to be followed in addressing surface water. As this is a brown field site, we expect significant reduction in surface water runoff. Costs may be subject to significant variation.	2	£750,000	BBC estimates	Based on estimated costing for a range of SuDS systems identified in the Surface Water Management Plan for Brentwood Borough (2015)	£0		£750,000	£750,000	£0	S.106	ECC / Developers					R04, R05	
WD7	SuDS & Drainage - Major Urban Extensions	Ensure that onsite surface water management is of high quality and links through to opportunities to maximise green infrastructure and connections, including river corridors. Costs may be subject to significant variation.	1	£500,000	BBC estimates	Based on estimated costing for a range of SuDS systems identified in the Surface Water Management Plan for Brentwood Borough (2015)	£0		£500,000	£500,000	£0	S.106	ECC / Developers						Relevant sites and apportionment are subject to ongoing work and liaison with ECC.
WD8	SuDS & Drainage - Brentwood Enterprise Park	WCS Comprehensive Water Management and Action Plan and works. Costs may be subject to significant variation.	1	£1,500,000	BBC estimates	Based on estimated costing for a range of SuDS systems identified in the Surface Water Management Plan for Brentwood Borough (2015)	£0		£1,500,000	£1,500,000	£0	S.106	Developers					E11	
WD9	SuDS & Drainage - Ingatestone High Street and Surrounds	Potential need for sewerage network upgrade evidenced by modelled flooding of Ingatestone High Street. Costs may be subject to significant variation.	1	£5,000,000	BBC estimates	Based on estimated costing for a range of SuDS systems identified in the Surface Water Management Plan for Brentwood Borough (2015)	£0		£5,000,000	£5,000,000	£0	S.106	Developers / ECC / Water Companies					R21, R22	
TOTAL - Water and Drainage				£14,150,000			£800,000		£13,350,000	£10,350,000	£3,000,000								
IDP CHAPTER 6 - WASTE																			
W1	Community Composting Projects	Community Composting facilities / pilot – there is no major specialist facility in the Borough.	3	£100,000	BBC estimates		£0		£100,000	£0	£100,000	CIL	BBC					All relevant development (including non-allocated sites.)	
W2	Existing Household Waste Facilities Capacity Extension or New Provision	Cost to extend existing household waste facilities or potentially provide additional recycling facilities.	3	Unknown	ECC	The implications of development on the delivery and operation of all sites is currently being considered by ECC to better understand what the future requirement. Unable to cost fully at this stage.	£0		Unknown	TBC	£0	S.106	Developers						This will need to be considered as part of major housing and employment developments. Apportionment to relevant sites are subject to ongoing work and liaison with ECC.
TOTAL - Waste				£100,000			£0		£100,000	£0	£100,000								
IDP CHAPTER 7 - BROADBAND																			
BT1	Fibre Optics Cable Infrastructure - DHGV	Connection from proposed cable to run along railway line to the south of DH - Fibre to the home (FTTH), also called "fiber to the premises" (FTTP), is the installation and use of optical fiber from a central point directly to individual buildings such as residences, apartment buildings and businesses to provide unprecedented highspeed Internet access. FTTH dramatically increases the connection speeds available to computer users compared with technologies now used in most places.	2	£2,000,000	BBC estimates	Cost of supplying fibre to the door / curb, which equate to circa £880 per dwelling based upon European Research.	£0		£2,000,000	£2,000,000	£0	S.106	Developers / Fibre Providers					R01	
BT2	Fibre Optics Cable Infrastructure - Other Strategic Housing Sites	Delivery of FTTH connection on sites - including key strategic housing allocations	2	£1,750,000	BBC estimates	Cost of supplying fibre to the door / curb, which equate to circa £880 per dwelling based upon European Research.	£0		£1,750,000	£1,750,000	£0	S.106	Developers / Fibre Providers					R02, R03, R04, R05	
BT3	Fibre Optics Cable Infrastructure - Other Locations	Opportunity to delivery fibre cable to strategic locations within growth corridors. Feasibility analysis required.	2	Unknown	BBC estimates	Unable to costs fully.	£0		Unknown	0	TBC	CIL	Developers / Fibre Providers						

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BT4	Upgrade to mobile infrastructure	Investigate options to improve broadband and mobile phone coverage within the Borough.	2	Unknown	BBC estimates	Unable to costs at this stage.	£0		Unknown	£0	Unknown	CIL	Network suppliers					All relevant development (including non-allocated sites.)	
TOTAL - Broadband				£3,750,000			£0		£3,750,000	£3,750,000	£0								
IDP CHAPTER 8 - EDUCATION																			
Primary																			
ED1	Primary School - Land North of Shenfield	New 2fe primary school co-located with early years and childcare provision on required 2.1ha of land.	2	£9,654,646	ECC	£8M (plus 20%), including cost of 56 place EYCC (see item ED6).	£0		£9,654,646	£9,654,646	£0	S.106	Developer / ECC / Shenfield Highschool / DIE					R03	To be considered with EYCC (see item ED6).
ED2	Primary School - Brizes and Doddinghurst Planning Group	0.5fe additional capacity within this planning group	2	£1,600,000	ECC		£1,250,000		£350,000	£350,000	£0	S.106	ECC / DIE / Developer					R23, R24, R25, R26	
ED3	Primary School - Ingatestone / Mountnessing Planning Group	0.5fe expansion of Mountnessing Primary School	2	£1,725,000	ECC		£0		£1,725,000	£1,725,000	£0	S.106	ECC / DIE / Developer					R21, R22, E08	
ED4	Primary Schools - DHGV	New 3 x 2fe primary schools within Dunton Hills Garden Village with early years and childcare provision (one co-located with secondary school)	2	£28,963,937	ECC	Each school costs approx £8M (plus 20%), including co-located EYCC.	£0		£28,963,937	£28,963,937	£0	S.106	ECC / DIE / Developer					R01	
Secondary																			
ED5	Secondary School - DHGV	New 6fe secondary school and 6 th form provision.	2	£25,303,118	ECC	£21,085,932 plus approx 20% for 6th form provision.	£0		£25,303,118	£25,303,118	£0	S.106	ECC / DIE					R01	
Early Years and Child Care (EYCC)																			
ED6	EYCC - Land North of Shenfield	One 56 place early years and childcare facility co-located with new primary school (cost included above in item ED1)	2	£0	ECC	As identified above: £9.6M in total for a primary school co-located with EYCC.	£0		£0	£0	£0	S.106	ECC / Private Provider / Developer					R03	
ED7	EYCC - Brentwood Enterprise Park	Two stand-alone 56 place early years and childcare facilities	2	£2,615,760	ECC	£1,307,880 x 2	£0		£2,615,760	£2,615,760	£0	S.106	ECC / Private Provider / Developer					E10, E11, E12	
ED8	EYCC - DHGV	One stand-alone 56 place early years and childcare facility (in addition to the three co-located facilities with new primary schools at DHGV - costs for these included above in item ED4.)	2	£1,307,880	ECC		£0		£1,307,880	£1,307,880	£0	S.106	ECC / Private Provider / Developer					R01, R02, E13	
ED9	EYCC - Other Provision	New 30 place facility required to accommodate net places generated by development from demand in Ingatestone/Mountnessing area. But given no appropriate scale size of site is allocated, it is expected contributions will be collected towards expansion other settings.	2	Unknown	ECC		£0		Unknown	TBC	£0	S.106	ECC / Private Provider / Developer					R21, R22, E08	
SEN																			
ED10	The Endeavour School Expansion	Expansion of the Endeavour special educational needs school to accommodate a sixth form function. Costs not known at this stage.	2	Unknown	ECC		£0		Unknown	TBC	£0	S.106	Developers / School					R19	
Travel to School																			
ED11	Travel to School - DHGV & West Horndon	Costs for transporting pupils to schools until new infrastructure is completed. Dunton Hills early scheme costs for primary pupils. Dunton Hills and West Horndon scheme costs for early to mid scheme for secondary pupils.	2	£10,000,000	ECC	• Costs for Primary= £11.40 x 190 days p.a. x 7 years x pupil product • Costs for Secondary = £5.30 x 190 days p.a. x 5 years x pupil product • Pupil products calculated based on indicative dwelling number of site allocation	£0		£10,000,000	£10,000,000	£0	S.106	Developers / Private Provider					R01, R02	
TOTAL - Education				£81,170,341			£1,250,000		£79,920,341	£79,920,341	£0								
IDP CHAPTER 9 - SOCIAL & COMMUNITY																			
SC1	Dunton Hills Stewardship Fund / Community Chest	Stewardship fund / community chest - may include monies for physical maintenance and improvement of the public realm, organising community activities / activities, events and community development / pilot projects.	2	Unknown		Cost is subject to ongoing work.	£0		Unknown	TBC	£0	S.106 / Service Charge	BBC / Land Management Company / Developer					R01	
SC2	Dunton Hills Community Building / Hub	Multipurpose building with public facing services, as well as space for multi-faith activities, recreation, learning and estates services.	2	£3,000,000	BBC estimates		£0		£3,000,000	£3,000,000	£0	S.106	BBC / Developers					R01	
SC3	Borough Wide Youth Facilities	Informal youth facilities and youth support services. Difficult to forecast costs at this stage.	3	Unknown	ECC		£0		Unknown	£0	Unknown	CIL	ECC / BBC / Developers					All relevant development (including non-allocated sites.)	
SC4	Borough Wide Community Hall Enhancements	Dilapidation works for Community Hall sites in the borough in order to receive full revenue potential, as identified in the Leisure Strategy 2018-28.	2	£650,000	BBC	• Leisure Strategy 2018-28 Action Plan	£650,000	BBC Capital Programme (See Committee Report, Feb 2019).	£0	£0	£0	BBC Capital Programme	BBC						Funded by BBC Capital Programme, work due to finish by 2020.
TOTAL - Social & Community				£3,650,000			£650,000		£3,000,000	£3,000,000	£0								
IDP CHAPTER 10 - HEALTH																			

Ref	Infrastructure Requirements	Detail	Priority	Indicative Costs	Cost reference	Cost reasoning	Secured Funding	Funding reference	Current Funding Gap	Estimated Cost to be Apportioned to LDP Sites	Remaining Funding Gap	Main Funding Sources	Delivery Partners	Delivery Timeframe				Relevant LDP sites	Notes
														2018/19 - 2022/23	2023/24 - 2027/28	2028/29 - 2032/33	2033/34 - 2037/38		
HC1	Dunton Hills Healthcare Hub	Initial calculations show that the fully completed development will require a health facility of circa 658.29 sqm, expandable to 1,000 sqm for GP services. NHS England is willing in principle to discuss co-location with other public services and potential temporary use of other public sector buildings (and vice versa). Any co-location would require the normal building and operational standards for NHS buildings to be met.	2	£2,700,000	NHS (CCG & STP)	£2,700 per sqm x 1,000sqm	£0		£2,700,000	£2,700,000	£0	S.106	Public Sector / NHS Estates / Developers					R01, R02	
HC2	Borough Wide Primary Care Capacity Improvements	Contribution towards increasing capacity for local Primary care facilities, by means of extension or possible relocation.	2	£2,940,000	NHS (CCG & STP)	• Costs = £2,300 x sqm required. • Sqm required = 120sqm for every 1,750 patients • Patients = 2.4 x homes number(7,752)	£27,980	S106	£2,912,020	£0	£2,912,020	CIL	NHS Estates / others					All relevant development (including non-allocated sites.)	
HC3	Basildon Hospital Expansion	Due to the increase in population Basildon hospital will need to expand their specialist services across the acute footprint to accommodate this predicted growth.	2	£15,500,000	NHS (CCG & STP)	NHS representation to the 2018 site consultation	£0		£15,500,000	£15,500,000	£0	S.106	NHS Estates / others					R01, R02	
TOTAL - Health				£21,140,000			£27,980		£21,112,020	£18,200,000	£2,912,020								
IDP CHAPTER 11 - SPORT																			
SP1	Mini Soccer Facilities - Southern Growth Corridor.	Mini soccer facilities. Costs are based on existing rates of demand for the Borough and therefore could be subject to change.	3	£90,000	Play Pitch Strategy 2018 - 2033	Play Pitch Strategy 2018 - 2033 (Figure 10.2, page 164)	£0		£90,000	£90,000	£0	S.106	Various					R01, R02	
SP2	Football Facilities - Southern Growth Corridor.	Football facilities. Costs are based on existing rates of demand for the Borough and therefore could be subject to change.	3	£600,000	Play Pitch Strategy 2018 - 2034	Play Pitch Strategy 2018 - 2033 (Figure 10.2, page 164)	£0		£600,000	£600,000	£0	S.106	Various					R01, R02	
SP3	Cricket Facilities - Southern Growth Corridor.	Cricket facilities. Costs are based on existing rates of demand for the Borough and therefore could be subject to change.	3	£460,000	Play Pitch Strategy 2018 - 2033	Play Pitch Strategy 2018 - 2033 (Figure 10.2, page 164)	£0		£460,000	£460,000	£0	S.106	Various					R01, R02	
SP4	Hockey Facilities - Southern Growth Corridor.	Hockey facilities. Costs are based on existing rates of demand for the Borough and therefore could be subject to change.	3	£110,000	Play Pitch Strategy 2018 - 2034	Play Pitch Strategy 2018 - 2033 (Figure 10.2, page 164)	£0		£110,000	£110,000	£0	S.106	Various					R01, R02	
SP4	Rugby Facilities - Southern Growth Corridor.	Rugby facilities. Costs are based on existing rates of demand for the Borough and therefore could be subject to change.	3	£140,000	Play Pitch Strategy 2018 - 2035	Play Pitch Strategy 2018 - 2033 (Figure 10.2, page 164)	£0		£140,000	£140,000	£0	S.106	Various					R01, R02	
SP6	King Georges Strategic Investments	Proposals to create a 'Park Hub' that includes sports provision, family provision, café/retail provision and conferencing/event provision to maximise community usage. Further details in the Leisure Strategy 2018-28. Cost to be informed by the upcoming feasibility study.	2	£8,000,000	BBC estimates. To be confirmed by upcoming feasibility study.	• Play Pitch Strategy 2018 - 2035 • Built Facilities Strategy Full Analysis • Leisure Strategy 2018-28 Action Plan	£7,173,000	BBC Capital Programme (See Committee Report, Feb 2019).	£827,000	£0	£827,000	CIL / BBC Capital Programme	Various					All relevant development (including non-allocated sites.)	
SP7	Brentwood Centre Strategic Investments	Proposals to create a football hub, with 3G grass pitch and amenities alongside grass pitches at Brentwood Centre. Further details in the Leisure Strategy 2018-28. Very high-level cost based on limited information available at this stage Costs subject to upcoming feasibility study.	3	£25,000,000	BBC estimates. To be confirmed by upcoming feasibility study.	• Play Pitch Strategy 2018 - 2035 • Built Facilities Strategy Full Analysis • Leisure Strategy 2018-28 Action Plan	£1,500,000	BBC Capital Programme (See Committee Report, Feb 2019).	£23,500,000	£0	£23,500,000	BBC Capital Programme / Football Foundation / External Funding / CIL	Various					All relevant development (including non-allocated sites.)	The Council's budget for this project is £1.5M. Expecting part of this project to be funded by the Football Foundation (this is to be confirmed). Other funding options are being discussed with external stakeholder, Sport England, CCG.
SP8	Play Area Investment	Delivering the Play Strategy phased over 5 years, to meet the need for additional play areas as a result of housing growth in the Borough.	2	£2,200,000	• Committee Report, December 2018 • Play Area Strategy 2019 - 2024	Committee Report, December 2018 (page 472)	£1,675,000	BBC Capital Programme (See Committee Report, Feb 2019).	£525,000	£0	£525,000	CIL / BBC Capital Programme	Various					All relevant development (including non-allocated sites.)	Some recent improvements have been met by developer contribution.
TOTAL - Sport				£36,600,000			£10,348,000		£26,252,000	£1,400,000	£24,852,000								
IDP CHAPTER 12 - HERITAGE																			
HE1	Historic Sites Interpretation	Heritage interpretation and sign-posting, linked to wider projects on improving the public realm and legibility within the Brentwood Urban area	3	£250,000	BBC estimates		£0		£250,000	£0	£250,000	CIL	BBC / Private					All relevant development (including non-allocated sites.)	
HE2	Heritage Assets Funding	Funding for the protection and redevelopment of heritage assets - particularly with wider community use options to support a growing population	3	£500,000	BBC estimates		£0		£500,000	£0	£500,000	CIL	BBC					All relevant development (including non-allocated sites.)	
TOTAL - Heritage				£750,000			£0		£750,000	£0	£750,000								
IDP CHAPTER 13 - EMERGENCY SERVICES																			
ES1	Flexible Space Resource - DHGV	New community facilities to provide capacity for drop-in or flexible operational police space.	3	£500,000	BBC estimates		£0		£500,000	£500,000	£0	S.106	Essex Police / BBC					R01	
TOTAL - Emergency Services				£500,000			£0		£500,000	£500,000	£0								
IDP CHAPTER 14 - GREEN INFRASTRUCTURE																			

Ref	Infrastructure Requirements	Detail	Priority	Indicative Costs	Cost reference	Cost reasoning	Secured Funding	Funding reference	Current Funding Gap	Estimated Cost to be Apportioned to LDP Sites	Remaining Funding Gap	Main Funding Sources	Delivery Partners	Delivery Timeframe				Relevant LDP sites	Notes
														2018/19 - 2022/23	2023/24 - 2027/28	2028/29 - 2032/33	2033/34 - 2037/38		
G11	Park and Gardens Enhancement and Development	Mixture of works and new facilities at the Borough's large and medium sized parks and gardens, e.g. Warley Country Park, Hutton and St Faith Country Park.	3	£1,150,000	BBC estimates		£126,700	S106	£1,023,300	£0	£1,023,300	CIL	BBC / EWT					All relevant development (including non-allocated sites.)	
G12	Ecological Asset Protection and Enhancement	Programme of works including maintenance of local wildlife sites and other assets	3	£1,000,000	BBC estimates		£0		£1,000,000	£0	£1,000,000	CIL	BBC / EWT					All relevant development (including non-allocated sites.)	
G13	Green and Blue Corridor Enhancements	Road, rail and river corridor enhancement programmes with partners	3	£1,000,000	BBC estimates		£0		£1,000,000	£0	£1,000,000	CIL	EWT / NR / Others					All relevant development (including non-allocated sites.)	
G14	Outdoor Sports (see above)																	All relevant development (including non-allocated sites.)	
G15	Amenity Greenspace	Enhancements to local neighbourhood level green spaces	3	£750,000	BBC estimates		£75,437	S106	£674,563	£0	£674,563	CIL	BBC / EWT / Others					All relevant development (including non-allocated sites.)	
G16	Allotment Maintenance support	Revenue budget to support allotment upkeep	3	£1,000,000	BBC estimates		£0		£1,000,000	£0	£1,000,000	CIL	BBC / Others					All relevant development (including non-allocated sites.)	
G17	Cemeteries and Graveyards Environmental Enhancement	Enhancements to facilities and features	3	£500,000	BBC estimates		£0		£500,000	£0	£500,000	CIL	BBC / EWT / Others					All relevant development (including non-allocated sites.)	
TOTAL - Green Infrastructure				£5,400,000			£202,137		£5,197,863	£0	£5,197,863								
TOTAL				£ 352,030,341			£ 13,278,117		£ 338,752,224	£ 275,760,341	£ 62,991,883								

NOTE

Priority Ranking	Criteria
1	critical to the delivery of the emerging Local Plan, <i>without which development cannot commence</i> , e.g. certain transport and utility infrastructure.
2	essential or necessary to mitigate the impacts arising from development or to support wider strategic or site-specific objectives which are set out in planning policy or are subject to a statutory duty. It enables development to come forward in a way that is both sustainable and acceptable in planning terms. The precise timing and phasing is less critical and development may be able to commence ahead of its provision, e.g. health care and education
3	important infrastructure that is required for sustainable growth, timing and phasing is not critical over the plan period, e.g. libraries, green infrastructure and youth provision. The precise timing and phasing is not critical and development may be able to commence ahead of its provision.