No.	Title
	Section 106 SPD addendum:
Appendix A	Addendum to the adopted Section 106 and Community
	Infrastructure Levy Supplementary Planning Document (2015)
	(for adoption) (available with the report)
Appendix B	Consultation Plan for Section 106 SPD Addendum
Appendix C	SEA screening assessment (required for SPD addendum only)
	(available on the website)
Appendix D	Habitat Regulations Assessment (required for SPD addendum
	only) (available on the website)
	Community infrastructure levy:
Appendix E	Community infrastructure levy (CIL) draft charging schedule
	(available with the report)
<mark>Appendix F</mark>	Infrastructure Plan (available on the website)
Appendix G	Equalities Analysis (available on the website)
Appendix H	Consultation Plan for CIL (available on the website)
	Regulation 123 list:
Appendix I	Regulation 123 list (for adoption) (available with the report)
Appendix J	Draft Regulation 123 list (to be adopted at the point we adopt the
	revised) (available with the report)



Southwark's Community Infrastructure Levy (CIL)

Infrastructure Plan

December 2016

INFRASTRUCTURE PLAN SUMMARY

1. What is the Infrastructure Plan?

- 1.1 The Community Infrastructure Levy (CIL) Regulations 2010 (as amended) require that to set a CIL charging schedule, charging authorities must have an appropriate evidence base to support the proposed levy. Part of this evidence base is the Infrastructure Plan (IP). The IP identifies strategic infrastructure which is needed to support growth and development in the borough over the lifetime of Southwark's Local Plan (2016-2036). Where possible it identifies the cost of infrastructure to be provided, any committed sources of funding which will be used to deliver it and the organisations that are responsible. It also identifies the funding gap i.e. the gap between known commitments and the total cost of infrastructure required.
- 1.2 We published our original IP in December 2013. This supported the adoption of Southwark's CIL in April 2015 and was produced in the context of our Core Strategy (2011-2026). We are now bringing forward the New Southwark Plan and the Old Kent Road Area Action Plan which are planning for growth over a twenty year period to 2036. We are also planning to revise CIL rates for the Old Kent Road Opportunity Area. A formal update of the IP was therefore required.
- 1.3 This IP is a "living document" which will be updated regularly as further details about infrastructure requirements to support growth become clearer. This IP has been updated to identify the latest information on the type and range of projects needed in the borough which could receive CIL funding. The global cost of these projects is also calculated. Projects used to determine infrastructure costs in this schedule (or broad levels of cost identified for a category of infrastructure) do not form a commitment in relation to the actual expenditure of CIL. Priorities for spending CIL receipts will need to be regularly reviewed, and will depend on the progress of both individual developments and projects. This approach is in line with guidance in the NPPG which states that "Local authorities must spend the levy on infrastructure needed to support the development of their area, and they will decide what infrastructure is needed".
- 1.4 It should be noted that this IP identifies only the strategic infrastructure which is needed to support growth and does not take account of the infrastructure requirements of any neighbourhood groups or forums. The Localism Act (2011) requires charging authorities to identify a 'meaningful proportion' of CIL that will be spent in the local area to ensure that those people affected by development see some of the benefit. This 'meaningful amount' is defined as 15% with a cap at £100 per council tax dwelling. For areas with an adopted neighborhood plan this would be 25% with no cap. We have set out in the Section 106 Planning Obligations/Community Infrastructure SPD further details on the process of allocating these funds. The allocation is made using community infrastructure project lists (CIPLs). The council spends at least 25% of CIL on projects in the local area, whether there is an adopted neighborhood plan or not. We consult local communities and community councils on priorities for their areas and regularly revise the lists as projects are delivered and/or priorities change. Using CIPLs therefore helps direct funding to infrastructure that local people believe is required in their areas to support the new development planned. The current CIPLs are available on our website http://www.southwark.gov.uk/info/200152/section_106/796/current_project_bank_ideas.

2. The demand for infrastructure

Planned development

- 2.1 In order to ensure that new development delivers sustainable communities, the facilities and service needs of these populations must be properly planned for. The Core Strategy and emerging New Southwark Plan identify that most new development will happen in the growth areas, which are the opportunity areas and action areas (i.e. Old Kent Road, Bankside, Borough and London Bridge, Elephant and Castle, Peckham and Nunhead, Canada Water, Camberwell and Aylesbury). Southwark is planning to provide at least 2,736 new homes per year which would meet the London Plan target of 27,362 new homes between 2015 and 2025; and is forecasting an increase in employment terms by 84,000 jobs between 2011 and 2036.
- 2.2 Our Regeneration Areas can meet much of our housing need as long as opportunities to enhance local transport, schools and parks are taken; we are planning to deliver 20,000 new homes and 5,000 new jobs in the Old Kent Road Opportunity Area alone. We are aiming to balance providing as many homes possible with growth of other activities that create successful places such as places to work, leisure, arts and culture, community facilities, sports and youth facilities and health centres.

Projected Population Growth

- 2.3 Southwark's population is projected to increase based on mid-year population estimates from the Office of National Statistics (ONS) and population forecasts from the Greater London Authority (GLA). Additional population means additional pressure on infrastructure. Some infrastructure needs arise from the growth in population generally, while others arise due to development proposals in specific locations.
- 2.4 According to the GLA's 2015 projections the population of Southwark was 306,745 in 2015. The population is quite young: 42% of the population was aged 20 to 39 years old in 2015, compared to 35% in London and 27% in England.
- 2.5 The population of Southwark is projected to grow between 2015 and 2025 by 15% (47,018 persons), compared to a 10% increase in London. Most of the growth is expected to be due to natural increase (i.e. more births than deaths). The 65+ age group is predicted to grow the fastest (32%) and the 20-39 group the slowest (9%). We will therefore need to ensure that infrastructure is provided at the right time to provide the necessary services and facilities for the increasing population.

3. How was the Infrastructure Plan prepared?

3.1 We produced a Delivery and Implementation Plan (DIP) in 2010 to support the implementation of the Core Strategy policies. The DIP includes the projects required across the borough to ensure the effective delivery of the growth and new development proposed over the Core Strategy plan period. It contained social, physical and green infrastructure projects and was prepared in consultation with both internal and external providers of infrastructure and other key stakeholders. The Core Strategy and the accompanying evidence base were put through an independent Examination in Public in 2010 and the Core Strategy was adopted by the Council in April 2011.

- 3.2 The DIP set out in the Core Strategy informed the development of the original IP produced in December 2013. This revised IP has used the original IP as a starting point, alongside a review of new projects, changing priorities and resulting infrastructure needs since the original IP was produced. The resulting infrastructure list has been undertaken in consultation with a number of key stakeholders, to create as thorough a list as possible. This approach is consistent with the government guidance.
- 3.3 Steps taken to produce the IP included:
 - a) A review of the council's plans and strategies and the lists of infrastructure projects contained in these. These include the New Southwark Plan Preferred Option (2015), Core Strategy (2011), Aylesbury Area Action Plan (2010), Canada Water Area Action Plan (2015), Peckham and Nunhead Area Action Plan (2014), Elephant and Castle Opportunity Area Supplementary Planning Document (2012), emerging Old Kent Road Area Action Plan Preferred Option, Transport Plan (2011), Cycling Strategy (2015). Open Spaces Strategy (2013), Primary School Place Update Strategy 2015, Secondary School Places Strategy (2015), Primary and Community Care Strategy 2013/14 2017/18, NHS Southwark Estates Strategy (2011), Economic Well-being Strategy (2012-2020), Children and Young People's Plan (2013-2016), Cemetery Strategy (2012), Draft Playing Pitch Strategy (2009), Local Flood Risk Management Strategy (2015).
 - b) Review of development partner's plans and projects: Wherever possible, information was taken from published reports or strategies. As a starting point, a thorough review of partners' websites, business plans etc was undertaken and the results are summarised and included in the IP.
 - c) Information gathering direct from partners: To fill gaps in information, internal and external partners were contacted to ascertain their plans and their assessments of what infrastructure requirements arise from future development proposals.
- 3.4 The main body of this plan reviews infrastructure needs by type. The table includes information on the costs of infrastructure to support growth, indicative phasing timescales, responsibilities and delivery partners, the known and anticipated funding sources and, where available, some more detailed project information.
- 3.5 The IP should be considered as a current estimation of the infrastructure projects required between 2016 and 2036, with an acceptance that it may change significantly over time. The projects identified are not a final or definitive list of infrastructure projects required in Southwark over this Local Plan period. Infrastructure needs are subject to significant change. The costs, expected timeframes for delivery and the delivery agents' funding have been anticipated using the best experience and knowledge available to the council, however these may change substantially in the future increasing or decreasing the demands upon CIL funding. Where infrastructure is anticipated to be funded as part of a development, or through site-by-site section 106 or section 278 funding, or other funding sources (e.g. funding via mainstream public/agency/third party or via utility company), this has been removed from the total CIL funding requirement.
- 3.6.1 The CIL regulations 2010 (as amended) set out that CIL charging authorities can spend CIL on 'the provision, improvement, replacement, operation or maintenance of infrastructure' and 'anything else that is concerned with addressing the demands that development places on an area'. We will keep the IP under regular review and it will be used to support the implementation of any future infrastructure delivery process.
- 3.7 The table below provides a summary of the IP themes, total costs and funding sources.

Infrastructure	Total Cost	Committed Funding	Funding Shortfall
Transport	£1.32 billion	£103 million	£1.22 billion
Open Space, Public Realm and Biodiversity	£94 million	£26.8 million tbc	£63 million tbc
Education	£183 million	tbc	£183 million tbc
Primary Health Care	£229 million	tbc	£229 million tbc
Arts and Cultural Facilities	£31.75 million	£14 million tbc	£17.75 million tbc
Sport and Leisure	£27.92 million	£9 million	£15 million
Socio-Economic Infrastructure	£6.75 million	£1 million	£5.75 million
Sustainability Infrastructure	£69 million	£0	£69 million
Secondary Infrastructure	£29.2 million	£0	£29.2 million
Emergency Services	£0	£0	£0
TOTAL COSTS	£1.99 billion	£153.8 million tbc	£1.83 billion tbc

INFRASTRUCTURE REQUIREMENT	POLICY/EVIDENCE BASE	COSTS	TIMING	DELIVERY AGENTS OR PARTNERS	FUNDING	
Infrastructure needed to meet the needs of the projected residential and employment growth as planning for in the Core Strategy, emerging New Southwark Plan and Area Action Plans.	Identification of where the infrastructure requirements are referenced i.e. Local Plans, strategies and frameworks; public sector capital programmes & commitments; private sector investment plans	The cost of providing identified infrastructure to accommodate growth. Capital cost includes land costs and construction and fit-out costs where required. It does not include any on-going costs.	Expected timeframes for delivery of infrastructure.	Delivery agents or partners that could assist in delivering the infrastructure required.	Committed funding sources from both public and private sources	Potential funding sources from both public and private sources
					TOTAL FUNDING G Circa £1.8 billion	AP=

TRANSPORT	be taken into account over t improvements to improve po- cycling capacity and access demand and areas designate the Central Activities Zone, of town centres and other parts fabric of the built environme development acceptable and for the area are delivered. The and cycle routes also need to The Mayor's Transport Strate many of the strategic transp assessed and identified with programme of improvement	The cumulative impacts of development on transport requirements needs to be taken into account over the plan period. Strategic transport improvements to improve public transport, the road network, walking and cycling capacity and accessibility will be needed for areas of greatest demand and areas designated for development and regeneration, including the Central Activities Zone, Opportunity Areas, Areas for Intensification and town centres and other parts of the borough. In growth areas the whole fabric of the built environment is often required to be reconstructed to make development acceptable and ensure that the transport and travel objectives for the area are delivered. Therefore new routes or redesigned pedestrian and cycle routes also need to be identified. The Mayor's Transport Strategy has provided the framework through which many of the strategic transport requirements for the borough have been assessed and identified within our Transport Plan. Implementation of the programme of improvements in the Transport Plan is vital to achieving the economic growth and development aspirations of the borough. POLICY/EVIDENCE COSTS TIMING DELIVERY COMMITTED POTENTIAL					
INFRASTRUCTURE REQUIREMENT	POLICY/EVIDENCE BASE	COSTS	TIMING	DELIVERY AGENTS OR PARTNERS	COMMITTED FUNDING	POTENTIAL FUNDING	
London Underground: Elephant & Castle Tube station. Increase the capacity in the Northern Line tube station and provide improved access to the platforms. It is possible to provide the necessary capacity by increasing the number of lifts in the station. However our preferred solution would be to provide escalator access to the Northern Line station.	Core Strategy DIP (2010); Mayor's Transport Strategy (2010); Transport Plan (2011)	TfL have estimated that increasing the number of lifts would cost in the region of £96m. Our preferred solution of providing escalator access to the Northern Line station is estimated to cost £140m.	2015-2018 Any station capacity improvements will require additional land and therefore should be developed and delivered in conjunction with a remodelling of the shopping centre.	TfL, Lend Lease, LBS, St Modwen?	S106s agreed at time of publication £24.9m. TFL/GLA commitment: £75m	TfL, existing and expected S106s (E&C SPD Tariff) TFL/GLA Commitment. Southwark s106 Contingency: £15m (unfunded)	

London Underground: Bakerloo line extension. Improvements to the public transport accessibility across the Old Kent Road Opportunity Area, unlocking growth in the area.	Old Kent Road AAP (2016); Core Strategy DIP (2010); Mayor's Transport Strategy (2010); Transport Plan (2011)	Circa £1.25bn (includes feasibility, design consents, project management, land costs, infrastructure costs, optimism bias – for works in Southwark)	After 2020	LBS, TfL		TfL, LBS CIL; Unfunded by £1.25bn
Old Kent Road public realm improvements. Improvements will be required to the road network, improving the environment for pedestrians and cyclists, and improving efficiency, capacity and safety for all users.	Old Kent Road AAP (2016); Core Strategy DIP (2010); Mayor's Transport Strategy (2010); Transport Plan (2011)		After 2020	LBS, TfL		TfL, LBS CIL
Buses: Aylesbury public transport. Provision of new/enhanced bus routes to support new housing and developments.	Aylesbury AAP (2010); Transport Plan (2011)	£4.5m	2015-2026	LBS, TfL		TfL, LBS CIL Unfunded by £4.5m
National Rail: Peckham Rye station. Proposals include improvements to the station fabric and the re- creation of a public square outside the station, improving the setting of the station while reducing journey times	Core Strategy DIP (2010); Mayor's Transport Strategy (2010)	£30m	tbc			LBS CIL Unfunded by £30m
Cycle hire Expanding and encouraging the use of cycle hire in Southwark.	Transport Plan (2011) Cycling Strategy (2015)	tbc	tbc	TfL, LBS	Developer S106 Planning Contribution	TfL, LBS CIL

Walking - Improvements will be required to encourage walking, reduce street clutter and improve links to businesses and local attractions.	Mayor's Transport Strategy (2010); Transport Plan (2011)	N/A	Site by site	TfL, LBS	Site specific and existing Developer S106 Planning Contribution	
Road Network: Camberwell town centre revitalisation scheme. Improvements to the town centre to deliver targeted safety measures, improve the public realm, support bus service reliability and in turn the journey experience of TfL bus passengers.	Vision For Camberwell Improving Streets and Public Spaces; Transport Plan (2011)	£7.07m	2014	LBS, LBL and TFL	TfL committed £650k LBS committed £300k.Council will fund a further £2m	TfL; LBS CIL Unfunded by £4.12m
Road Network: Lower Road. Simplify the road network, improving the environment for pedestrians and cyclists, and improving efficiency and safety for all users.	Canada Water AAP (2012); Rotherhithe Multi-Modal Transport Study (2009); Transport Plan (2011)	£9m		LBS, TfL		TfL, S106s agreed at the time of CIL implementation; LBS CIL Unfunded by £8.8m
Road network: Aylesbury. Improvements to Westmorland Road, Albany Road, Thurlow Street, Portland Street and other access streets.	Aylesbury AAP (2010); Transport Plan (2011)	£12.1m	2013-2026	LBS		LBS CIL, S106; Unfunded by £12.1m
Road Network: Improvements to Surrey Quays Road	Canada Water AAP (2012); Transport Plan (2011)	tbc.	2013-2026	LBS		Unfunded tbc
Canada Water CPZ extension	Canada Water AAP (2012);Transport Plan (2011)	£240,000	2013-2016	LBS		s106 or LBS CIL Unfunded by £240,000

OPEN SPACE, PUBLIC REALM AND BIODIVERSITY	With increased population a opportunities to create new and value of existing open s better links between existing existing open spaces, partic some of the existing more d where specific development new access routes to existin identified through the Open Buffer areas of natural open movement of wildlife throug cycling. The Council is cont existing corridors in partner Green Grid' strategy which natural open spaces at a reg	open space, th paces through g parks and ope cularly in areas eveloped areas t opportunities ng spaces or he Spaces Strateg space will prov h the borough inuing to suppor ship with the M seeks to provid	e focus is to imp enhancements a en spaces. Impro of deficiency, is ; particularly in f might arise that lp to fund propo y. vide 'green chair as well as for wo ort development ayor of London'	Open Space fundir Million tbc	ng gap: £63
INFRASTRUCTURE REQUIREMENT	POLICY/EVIDENCE BASE	COMMITTED FUNDING	POTENTIAL FUNDING		
Open Spaces improvement projects: Delivery of improvements identified in draft Open Spaces Strategy (excluding specific projects identified below)	Open Spaces Strategy (2013)		LBS CIL Unfunded by £13.4m		

All London Greed Grid Projects: The All London Green Grid (ALGG) is a network of green infrastructure spanning across London. By highlighting the network and recognising the value of connected green spaces, the intention is that improvements can be targeted in ways that deliver social, environmental and economic benefits to local areas and strategically to London as a whole. A number of projects have been identified in the borough. Southwark contains 2 Green Grid character areas: GGA6 South East London Green	GLA - All London Green Grid (ALGG)	£5.85m (based on 35 sites)	2013-2026		LBS £450,000	LBS CIL Unfunded by £5.4m
Chain Plus, and GGA12 Central London. Biodiversity projects and improvements	Biodiversity Action Plan (2012)	£340,000	2014-2016	LBS, Southwark Biodiversity Partnership.		Possible grant from SITA or other landfill funder
Improved access to open spaces, signage and green links (trees)	Core Strategy DIP (2010)	£550,000	2013-2020	LBS		LBS CIL Unfunded by £550,000
New open space at Elephant and Castle: New 1.2ha open space in Elephant and Castle.	Elephant and Castle SPD/OAPF (2012)	tbc	2016-2020	Developer	Developer S106 Planning Contribution	

New open space at	Open Spaces Strategy	tbc	2014-2018	Developer	Developer S106	
Crossbones Graveyard	(2013)				Planning Contribution	
Dickens Square	Open Spaces Strategy	£50,000	2012-2013	LBS	Council capital funding	
improvements: Dickens	(2013)				£50,000	
Square Park and the						
adjoining Butterfly Walk are						
designated Sites of Nature						
Conservation. A feasibility						
study and masterplan design						
has been produced that						
improves access, safety and						
ecological values of the two						
spaces and integrates a						
redundant road to enhance						
the visual appeal of the park						
and surrounding area.						
Existing improvements	N/A	£2m	2011-2013	Developer	Developer S106	
around the Tate Modern					Planning Contribution	
					£2,000,000	
Bankside Urban Forest	Bankside Urban Forest	tbc	2011-	LBS		s106 planning
Projects: Bankside Urban	Framework					contributions;
Forest is a partnership of						Cleaner Greener
many agencies including						Safer tbc
Better Bankside, Southwark						
Council, Tate Modern, The						
Architecture Foundation,						
Cross River Partnership,						
Design for London, London						
Development Agency and						
others. It is an urban design						
framework and programme of						
projects for the public realm						
within the area extending						
from the river edge down to						
the Elephant and Castle,						
bordered by Blackfriars Road and Borough High Street.						
and Developed Link Ctreet	1					

Aylesbury community spaces - public squares and green fingers: Provision of Amersham, East Street and Michael Faraday public spaces and King William IV, Chumleigh and Bagshot green fingers.	Aylesbury AAP (2010)	£7.7m	2013-2022	LBS		LBS CIL Unfunded by £7.7m
Surrey Square improvements: Improvements to Surrey Square Park will help to improve the usability and attractiveness of the park, as well as to preserve and enhance its ecological interest.	Aylesbury AAP (2010)	£690,000	2014-2018	LBS		s106 planning contributions or LBS CIL Unfunded by £690,000
Burgess Park improvements: Phase 2-4 improvements to Burgess Park.	Aylesbury AAP (2010); LBS Capital Programme	£20m	2015-2026	LBS	£18.5m total funding already invested or committed	LBS CIL Unfunded by £1.5m
Aylesbury playspace: Provision of new playspace to support regeneration of the Aylesbury Estate	Aylesbury AAP (2010)	£4.7m	2013-2026	LBS		s106 planning contributions or LBS CIL Unfunded by £4.7m
Former Nursery (Fish Farm) Canada Water: Oppourtunity to provide an environmental education facility with a possible option for food growing or educational plants	Canada Water AAP (2012); Open Spaces Strategy (2013)	£150,000	2013-2015	LBS	£150,000 Funded by council capital	

Cemeteries - Physical works that would enable new burial areas to be developed without recourse to reclamation or re-use focused on the Camberwell Old Cemetery and Camberwell New Cemetery. Immediate options for burial areas includes: decontaminated land at the old Honor Oak Nursery site, area of old public (or common) graves in the south of Camberwell Old, a wooded area west of Camberwell New, remainder of the old nursery site, the north of Camberwell Old. Specific capacity for Muslim burials is also proposed.	Cemetery Strategy (2012)	£6,127,524	2011-2040	LBS to work closely with the Diocese and other authorities.	£5,127,524 Council capital	LBS Capital Programme, LBS CIL Unfunded by £1M
Historic environment and heritage assets	Core Strategy (2011), Aylesbury AAP (2010), Canada Water AAP (2012), draft Peckham and Nunhead AAP (2012), Elephant and Castle SPD/OAPF (2012), Conservation Area Appraisals, English Heritage - Heritage at risk register	tbc	2011-2026	LBS		LBS CIL Unfunded tbc
Canada Water public space improvements: Improvements to Albion Street, Greenland Dock, South Dock Marina.	Canada Water AAP (2012) ; Canada Water Public Realm Improvements Study (2009)	£682,000	2013-2019	LBS	Committed funding of £9,000 from TfL	LBS CIL Unfunded by £673,000
Improvements to play areas: Borough-wide	Council plan target	£2M remaining	2013-2019	LBS		LBS CIL Unfunded by £2M

Old Kent Road Opportunity Area: New and improved open spaces, including the following new spaces: Mandela Green, Surrey Canal link, Gas Works park (Burgess park addressed	Old Kent Road Area Action Plan (2016) Old Kent Road costs for CIL	£29.85M	2016-2036	LBS, developers	New open spaces: tbc - LBS CIL or as part of development schemes
separately above)					Improvements to existing spaces: LBS CIL or s106 (Burgess park addressed separately above)
					Unfunded by £29.85M (tbc)

EDUCATION	The anticipated requirement modelling and estimation lin anticipated sizes of housing population change. 1FE is e Significant growth in popula additional 6FE at secondary schools by 2016 and a furthe	Education funding Million tbc	gap: £183			
INFRASTRUCTURE REQUIREMENT	POLICY/EVIDENCE BASE	COSTS	TIMING	DELIVERY AGENTS OR PARTNERS	COMMITTED FUNDING	POTENTIAL FUNDING
Secondary Schools: Building Schools for the Future programme provided new or rebuilt schools to meet existing and short term demand.	The Building Schools for the Future	N/A	Largely complete by end of 2014	Education Funding Agency	Fully funded via Education Funding Agency and LBS capital programme	-
Secondary Schools: 6 forms of entry (FE) required to meet demand for 2019/20.	Secondary Investment Strategy	£8M per additional FE = £48M	Responding directly to demand in future years.	Education Funding Agency, Schools and Academy Trusts		Education Funding Agency; LBS CIL Unfunded by £48M
Primary Schools: 11 FE of entry required for the provision of new classrooms on existing school sites. (Expansions presently underway will provide an additional 19FE by September 2016).	Primary Strategy for Change programme	£5M per new FE based on 3 most recent school extensions = £55M	Responding directly to demand in future years.	Education Funding Agency, Schools and Academy Trusts and LBS		Education Funding Agency; LBS Primary Capital Programme, S106; LBS CIL.
There is an anticipated 8FE additional need over and above this required by 2024/2025						Unfunded by £55M

Old Kent Road Opportunity Area Secondary Schools: 2 secondary schools	Old Kent Road Area Action Plan (2016)	£8.5M per school = £17M	Responding to population growth/ regeneration phasing	LB Southwark, Academies, Free Schools, Developers	Education providers; DfE funding; LBS CIL Unfunded by £17M
Old Kent Road Opportunity Area Primary Schools: 8 primary schools	Old Kent Road Area Action Plan (2016)	£7.5M per school = £60M	Responding to population growth/ regeneration phasing	LB Southwark, Academies, Free Schools, Developers	Education providers; DfE funding; LBS CIL Unfunded by £60M

	The Council has responsibilities to ensure that there is sufficient provision of childcare and early education for 2 to 4 year olds. The anticipated requirements for nursery school places are being addressed through delivery of new nurseries at the same time as primary schools are expanded and changed. Supplementing this is the strong presence of the private sector in meeting the need of many parents for full time care for Under 5s, who operate out of a myriad of different community and religious facilities as well as the occasional new site through conversion of the ground floor of large houses by people running a nursery in their own home. Grant funding was provided to develop Sure Start Children's Centres borough wide to provide a universal level of care and support to all young families.						
Nursery / reception (2-4) (assume 50% leakage to private sector): requirement for 712 places. There are 21 Children's Centres in the borough offering integrated childcare and education, health and family services. Southwark has already invested in improving the quality of Early Years buildings using the Sure Start Quality and Access Grant (2008-11).	Children and Young People's Plan (2010-2013)	tbc	2013-2026	LBS, Developer		LBS, S106s agreed at the time of CIL implementation Unfunded tbc	
Aylesbury pre-school space: Provision of early years facilities to support the regeneration of the Aylesbury Estate.	Aylesbury AAP (2010)	£3m	2015-2017	LBS, Developer		LBS, Developer s106 planning contribution Unfunded by £3m	

PRIMARY HEALTH CARE	Southwark NHS have a stratt existing premises, rather that facilities. Southwark NHS with where necessary to cope with increases in demand on heat NHS Southwark CCG acknow growth areas in Southwark. healthcare provision to sup Opportunity Area are included In addition, the CCG is common Care Strategy drawn up with range and volume of health is settings.	Primary Health care £229 Million tbc	funding gap:			
INFRASTRUCTURE REQUIREMENT	POLICY/EVIDENCE BASE	COSTS	TIMING	DELIVERY AGENTS OR PARTNERS	COMMITTED FUNDING	POTENTIAL FUNDING
The NHS Healthy Urban Development Unit (HUDU) toolkit: The HUDU toolkit estimates the cost of new and improved health facilities as a result of population growth. It sets out an estimated cost of £6,649 per new unit. Southwark's Core Strategy sets out a target of 24,450 new homes between 2011 and 2026, equating to a total cost of £162.6m. Areas where need for new facilities has been identified include Bankside, Elephant and Castle and Canada Water.	NHS HUDU toolkit	£162.6m	2012-2026	NHS, LBS, Developers		NHS, LBS CIL Unfunded by £162.6m

Aylesbury Health Centre and medical practice: Rebuild the existing centre to increase the capacity and expand the offer of health facilities	NHS Southwark Annual Report (2010); Aylesbury AAP (2010); NHS Southwark Estates Strategy (2010)	£8-12m	2015-2017	LBS, NHS	NHS LBS Unfu £8m	
Princess Street Practice (Elephant and Castle): Re- provision of the existing GP practice to accommodate a full range of services for an expanding population	NHS Southwark Estates Strategy (2011)	Circa £5m	Circa 2015- 16	NHS, LBS		, LBS CIL nded by
Albion Street (Canada Water) Re-provision of the existing GP practice to accommodate a full range of services for an expanding population	NHS Southwark Estates Strategy (2011)	Circa £5m	Circa 2015- 16	NHS, LBS		, LBS CIL nded by
Walworth Road (Elephant and Castle) Re-provision of existing local GP practices to accommodate a full range of services for an expanding population. Possible re- provision of community services at Walworth Road Clinic.	NHS Southwark Estates Strategy (2011)	Circa £5m	Circa 2015- 16	NHS, LBS		, LBS CIL nded by
Dulwich Hospital site: Refurbishment/new build to re-provide primary care facilities and provide additional community health services. This is to support GP practices in the south of the borough in delivering the Community-based Care Strategy and is consistent with the Primary and Community Strategy.	NHS Southwark Estates Strategy (2011) Community-based Care Strategy	£15-20m	2013-2015	NHS	NHS Unfu £15-2	nded by

Peckham: Potential for improved utilisation and expansion of the Lister Health Centre including the provision of additional services	NHS Southwark Estates Strategy (2011) Community-based care Strategy	£8m	tbc	NHS, LBS	NHS, LBS CIL Unfunded by £8m
Old Kent Road Opportunity area: Primary healthcare provision of 3800m2 primary healthcare and 700m2 other healthcare	Old Kent Road Area Action Plan (2016)	£15.5M	tbc	NHS, LBS	NHS, LBS CIL Unfunded by 15.5M tbc

ARTS, CULTURAL AND COMMUNITY FACILITIES	Provision of libraries is a sta infrastructure needs updatin service and the service offer changing demands. This an interrelated factors of migra occupancy will generate a re points. Additionally, with ch working hours libraries will service. The Council is oper locating with other services complimentary delivery prop New and refurbished general arts/performance space, are address demographic and p	Arts, Cultural and Co Facilities funding ga Million tbc				
INFRASTRUCTURE REQUIREMENT	POLICY/EVIDENCE BASE	COSTS	TIMING	DELIVERY AGENTS OR PARTNERS	COMMITTED FUNDING	POTENTIAL FUNDING
Elephant and Castle library combined with Cuming Museum and Local History Library: The fire at Walworth Town Hall in March 2013 destroyed the accommo- dation housing the Cuming Museum. The current Newington Library is in poor condition and not fit for modern service provision. (Circa 2,800 sqm). Option for new museum and enhanced library to be considered as part of the future plan for the Town Hall. This space would accommodate the Cuming Museum and Local History Library enabling more of each collection to be displayed, more study space, better storage and a modern public library.	Library Service Review report to Cabinet (2011); Elephant and Castle SPD/OAPF (2012) Cabinet report on Walworth Town Hall July 2013	£14m	2018 - 2021	Developer	Developer S106 Planning Contributions £14M	

Peckham Library: Ongoing programme of refurbishment and upgrading of Peckham Library to address long standing design issues and to modernise the building to address future growth in the area. Making better use of existing space (configuration, lighting, furnishings and equipment and address a range of environmental issues exacerbated by additional use form growth in the area).	Library Service Review report to Cabinet (2011); Draft Peckham and Nunhead AAP (2012)	£4m	2014-2018	LBS	LBS,LBS CIL Unfunded by £4m
 Provision, ongoing maintenance and management for strategic public art commissioning for the purpose of neighborhood regeneration and environmental improvement at: Strategic development sites at Canada Water, Old Kent Road, Aylesbury and Peckham as part of neighbourhood regeneration Strategic partnerships with community organisations and Business Improvement Districts including: The Low Line The Coal Line Avenue of Art 	New Southwark Local Plan Southwark Cultural Strategy Bettter Bankside Public Art Strategy Draft Draft Old Kent Road AAP Aylesbury AAP Canada Water AAP Peckham and Nunhead AAP	X 1 strategic development site project per year £3,000,000 The Low Line £200,000 The Coal Line £200,000 Avenue of Art (Better Bankside) £200,000	2016-2036	Commissioning agencies e.g. Contemporary Art Society, Future City and Up Projects,	Trusts, grants and foundations, crowd funding and BID funds. Unfunded by £3.6m

Cultural facilities buildings,	New Southwark Local Plan		2016-2036	Private funding from	LBS CIL as an
fit out and programming				operator chosen - tbc	enabler to help
- Derforming Arts Dravision	Southwark Cultural Strategy				secure operators and additional
 Performing Arts Provision (e.g. dance venues, 	Old Kent Road AAP				funding
theatres rehearsal space,					Unfunded tbc
Theatres, Music)	Canada Water AAP				
Visual Arts Provision					
(e.g. Galleries)	Elephant and Castle AAP				
Affordable artists	Peckham and Nunhead AAP				
workspace/StudiosHeritage and archives					
provision					
Meanwhile use					
Libraries refurbishment					
and re-provision					
Specific strategic					
requirements:		£2M			
		(Mountview community			
Mountview College of		offer			
Performing Arts support of		programme)			
community offer programme					
Multi use large capacity		£5M contribution			
venue (1000 seats)		contribution			
performing arts focusing on					
music/dance/ rehearsal					
venue		£3M			
Affordable artists studios		contribution			
provision (Old Kent Road and					
Canada Water)		£150,000			
Meanwhile use programming Cultural pop up programming		CIL funding used as an			
to support testing of new		enabler to			
uses Old Kent Road		help secure			
		operators and			
Provision for the Southwark		additional funding.			
and Cuming Collection		runuing.			
			1	l	

SPORT AND LEISURE	Growth in population will pl outdoor sports facilities. A to support significant growt for a refurbishment of the S	Sports and Leisure funding gap: £18.9 Million				
INFRASTRUCTURE REQUIREMENT	POLICY/EVIDENCE BASE	COSTS	TIMING	DELIVERY AGENTS OR PARTNERS	COMMITTED FUNDING	POTENTIAL FUNDING
Refurbishment of Seven island Leisure Centre: The Seven Islands Leisure Centre provides a swimming pool as well as a gym and a sports hall. Plans are in place to refurbish the wetside facilities in the centre and over the longer term, we will look for opportunities to improve the dryside and wetside facilities.	Canada Water AAP (2012)	£8m	2014-2015	LBS	LBS £8m	Fully funded

Refurbished athletics track at Southwark Park	Canada Water AAP (2012): Draft Playing Pitch Strategy (2009)	£3.8m	2013-2016	LBS	Multiple sources: Southwark 2012 Olympic Legacy Fund £370,000; Sport England Inspired Facilities Fund £145,000; London Marathon £150,000 Mayor of London's Fund £250,000; Internal Capital Bids.	Additional funding being sought for landscaping Unfunded tbc
Southwark Sports Ground: Refurbishment of existing sports pavilion. The changing accommodation at the site is poor quality and in need of upgrade.	Draft Playing Pitch Strategy (2009)	£800,000	2018-19	LBS, Football Foundation	Tbc	LBS CIL Unfunded tbc
Improvements to Herne Hill Velodrome: The Herne Hill Velodrome Trust was awarded £400,000 from Southwark Council's 2012 Olympics and Paralympics Legacy Fund in October 2011. Subject to agreement by landlords The Dulwich Estate, the money will be spent on a 170 metre inner track for junior and track riders to warm up on and other improvements will include enhanced cyclo-cross facilities. Further funds are needed to help finance build a new pavilion.		tbc	2011-2026	Herne Hill Velodrome Trust/British Cycling	Southwark 2012 Olympic Legacy Fund £400,000	Fully funded, track completed and pavilion under construction (December 2016)

Improvements to St Paul Sports Ground: Following the redevelopment of the site the stadium needs a new perimeter fence.	Canada Water AAP (2012); Playing Pitch Strategy (2016)	tbc	tbc	tbc	tbc	Unfunded
Greendale playing field: Site is adjacent to Dulwich Hamlet FC and whilst the future of the site is yet to be determined, it could be brought back into use to meet demand.	Draft Playing Pitch Strategy (2009)	tbc	2015-18	LBS	tbc	Unfunded
Old Kent Road Opportunity area: Leisure centre with swimming pool, based on 4500m2	Old Kent Road Area Action Plan (2016)	£15M	tbc	LBS	LBS CIL or s106	Unfunded £15M tbc

SOCIO-ECONOMIC INFRASTRUCTURE	Despite job creation in Southwark in recent years, levels of unemployment and economic inactivity remain high and we would expect there to be unemployment amongst the new residents. Using development to reduce barriers to employment for the new population is necessary to ensure sustainable economic growth in Southwark and a key part of Southwark's Economic Wellbeing Strategy 2012-2020. CIL may be invested in infrastructure to ensure Southwark residents have the skills and support to access new employment opportunities in the borough.							
INFRASTRUCTURE REQUIREMENT	POLICY/EVIDENCE BASE	COSTS	TIMING	DELIVERY AGENTS OR PARTNERS	COMMITTED FUNDING	POTENTIAL FUNDING		
Southwark Works Hub Southwark Works continues to act as a principal broker for new and existing developers to meet their section 106 employment and skills obligations. These exist to provide a significant part of the 5000 new jobs and 2000 new apprenticeship opportunities in Southwark. Post 2018, it is anticipated that Southwark Works will continue to act in partnership to address long term unemployment and skills challenges in the borough.	Economic Wellbeing Strategy 2012-20	£500,000	2016-2036	LBS	tbc	LBS CIL Unfunded by £500,000		

Southwark Construction Skills Centre Developers and other groups have stated a number of challenges in upskilling local unemployed residents. The CSC will address this need by providing a construction skills hub specifically designed to meet this need, and to provide a long-term centre of excellence accessible by the construction industry.	Economic Wellbeing Strategy 2012-20	£1.25m	2016-2036	LBS / Lendlease / Notting Hill Housing	£1m New Homes Bonus	LBS CIL, developers contributions Unfunded by £250,000
Further Education and Skills Hub - Passmore Centre This will serve as a FE Education and Skills hub and form part of the provision for young people and others to address long term unemployment and skills challenges in the borough.	Economic Wellbeing Strategy 2012-20	£5m	2016-36	LBS / LSBU	tbc	LBS CIL Unfunded by £5m

SUSTAINABILITY INFRASTRUCTURE	Reduction of future carbon of new development. Southwar seeks a 22.4% reduction in 0 opportunities to expand hea	Sustainability Infrastructure funding gap: circa £69 Million				
INFRASTRUCTURE REQUIREMENT	POLICY/EVIDENCE BASE	COSTS	TIMING	DELIVERY AGENTS OR PARTNERS	COMMITTED FUNDING	POTENTIAL FUNDING
Canada Water district heating/CHP: The heat network will use energy that is currently wasted at the South East London Combined Heat and Power, Energy from Waste plant in Lewisham. It will be distributed through a network of underground pipes to the community heating boiler houses that currently provide heat and hot water to several housing estates. Phase 1: Link from SELCHP to the following estates: Four Squares, Silwood, Abbeyfield, Tissington Court, Pedworth. Rouel Road, Keetons, Silverlock (completed) Phase 2: Possible extension into the Canada Water Core Area via Lower Road and Redriff Road.	Canada Water AAP (2012); Canada Water Energy Study (2009)	Phase 2 £8.5m	2016-2021	LBS, Veolia		Phase 2 LBS CIL, Energy Services Company (ESCO) Unfunded by £8.5m
Old Kent Road decentralised energy network	Old Kent Road AAP (2016) Old Kent Road Decentralised Energy Strategy (2016)	£57.5M- £63.6M (depending on option implemented)	2016-2036	LBS, Energy Services Company, developers		Energy Services Company (ESCO); s106 for connection costs Unfunded by £57.5M-£63.6M

SECONDARY INFRASTRUCTURE	New or upgraded secondary i development across the boro	Secondary Infrastructure funding gap: £29.2 Million				
Water/ Sewerage/Waste water (Thames Water)						
INFRASTRUCTURE REQUIREMENT	POLICY/EVIDENCE BASE	COSTS	TIMING	DELIVERY AGENTS OR PARTNERS	COMMITTED FUNDING	POTENTIAL FUNDING
Local water infrastructure: The sewer network in Southwark is mostly combined sewer system. Large sections of the network are close to capacity increasing the risk of sewer flooding to new and existing developments The council will use planning conditions where appropriate to ensure that development does not commence until impact studies on the existing water supply and sewerage infrastructure have been approved by Southwark in conjunction with Thames Water. Where there is a capacity problem and no improvements are programmed developers should contact the utilities company to agree what improvements are required and how they will be funded.			N/A	Thames Water	N/A	

Storm Water Storage: It is					
possible that long term	Southwark Interim Preliminary	£12.7m	2014/15-	Thames Water,	The
planned growth in the	Flood Risk Assessment	~ 12.1111	2019/2020	The Environment	Environment
regeneration areas might	(2011)		2010/2020	Agency, LBS	Agency - Flood
affect the occurrence and	(2011)			Principal	Defence Grant
significance of flooding.	Local Flood Risk			Contractor	in Aid
Surface water flood risk	Management Strategy (2015)			Contractor	Unfunded by
mitigation measures will be	Management Strategy (2013)				£12.7m
required. Storage areas are					
planned in open public					
spaces in the Dulwich,					
Peckham Rye, Camberwell					
and North Peckham areas to					
mitigate risk in these areas.					
The council has successfully					
completed the Herne Hill					
Flood Alleviation Scheme with					
funding support from Thames					
Water and Environment					
Agency. Currently					
investigating flood risk in					
Peckham Rye and					
Camberwell area.					
Camberweil area.					
The next stage towards					
updating and improving upon					
existing planned delivery of					
projects will involve					
completing a review of the					
Strategic Flood Risk					
Assessment (SFRA) for the					
borough to identify the					
neighbourhoods that are at					
risk of flooding and to ensure					
suitable mitigation measures					
are incorporated aside from					
simply avoiding all potential					
development of those areas.					

Gas						1
The 'host' providers for the London area are National Grid and SGN (previously known as Scotia Gas Networks). SGN are the main supplier in Southwark, however information on Southwark is limited. National Grid indicated that for the five Central London authorities which it covers, there is likely to be sufficient capacity within regard to medium and the higher pressure gas networks to cater for demand up to 2026. Southwark will monitor phasing and implementation of development and continue to share plans with infrastructure providers.	SGN's Long Term Development Statement 2015 Old Kent Road Utilities Study (2016) Central London Forward Infrastructure Study (2010)	N/A	N/A	National Grid and Scotia Gas Networks	N/A	
Electricity UK Power Networks (UKPN) is London's main Distribution Network Operator and is responsible for distributing electricity from National Grid's 400kV and 275kV networks. UK Power Networks undertake an annual review of capacity constraints and the necessary upgrades associated with general load growth are built into their capital programme . Southwark will monitor phasing and implementation of development and continue to share plans with infrastructure providers.	UKPN's Long Term Development Statement (November 2015) for London Power Networks Old Kent Road Utilities Study (2016) Central London Forward Infrastructure Study (2010)	N/A	N/A	UKPN, Developers	N/A	

Primary substation for Old Kent Road Opportunity Area: UKPN have indicated this will be required given the scale of development being planned. This is likely to be required post 2020, with earlier demand supplied from the existing network. Digital connectivity	UKPN budget estimate (2016) Old Kent Road Utilities Study (2016)	£16.1 Million (excluding land; typically will need site of 1500- 2000sqm)	tbc	LBS, UKPN, developers		Tbc – UKPN and developers? Unfunded by £16.1 Million
Superfast broadband cabling infrastructure		N/A	tbc	Broadband infrastructure companies, Developers	N/A	Funded by digital providers through agreements with developers and service charges
Wifi in Public places: 40 stations each costing £10,000		£400,000	tbc	LBS with Partner		LBS and partner Unfunded £400,000

EMERGENCY SERVICES	Existing Fire Stations: Peckham, Old Kent Road, Southwark Bridge Road and Dockhead. Ambulance stations: Rotherhithe, Waterloo Road. Metropolitan Police stations: Camberwell, Walworth, Peckham, Southwark.							
INFRASTRUCTURE REQUIREMENT	POLICY/EVIDENCE BASE	COSTS	TIMING	DELIVERY AGENTS OR PARTNERS	COMMITTED FUNDING	POTENTIAL FUNDING		
Police								
Forward planning for policing infrastructure is linked to the Metropolitan Police Service's (MPS) Asset Management Plan for Southwark. This indicates that the MPS is working hard to deliver a more effective and locally focused service, and to do this it needs a property estate that can adapt to meet new challenges and grow to support a 21st century police service. The Metropolitan Police do not have any specific infrastructure requirements at this time but will continue to review forecasted growth in the borough and assess future policing needs.	Metropolitan Police Service Asset Management Plan (2007)	N/A	N/A	MPS	N/A			

Fire					
There are a total of 102 fire	Central London Forward	N/A	N/A	LPFA	Private finance initiative
stations across London plus a	Infrastructure Study (2010)				(PFI)
River station based in					
Lambeth. Southwark is home					
to three operational Fire					
Stations and the London Fire					
Brigade HQ. London Fire					
Brigade has a fleet of 155					
pumping appliance (Fire					
Engines), there are also 147					
special fire appliances and					
other vehicles.					
Fire stations and fire engines					
work across local authority					
boundaries therefore it is hard					
to assess the fire station					
provision on a local authority					
basis. Central London is					
overall described as fire					
station rich with very good fire					
station coverage. Currently,					
the London Fire & Emergency					
Planning Authority is involved					
in a program of upgrading					
(rebuilding and refurbishing)					
the existing sites to better					
reflect the changing risk					
profile within London.					
LFB are also at the early					
stages of planning LSP6 (6th					
London Safety Plan).					

Ambulance						
Managing demand and need	Central London Forward	N/A	N/A	London	N/A	
for Ambulance provision	Infrastructure Study (2010)			Ambulance Trust		
correlates more with						
procedures and practice than						
population growth. The						
demand for ambulance						
provision is forecast using						
historical incident data within						
the Health service area they						
attend. Consultation with the						
London Ambulance Trust has						
revealed that the forward						
strategy focuses on changes						
to the way emergencies are						
responded to rather than						
opportunities relating to						
property. For this reason the						
London Ambulance Trust has						
not identified any specific						
infrastructure needs at the						
present time, but will continue						
to review the impact of						
planned and natural growth						
and how this translates into						
additional demand on their						
services over time.						