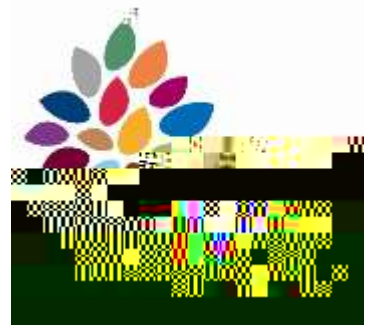


INFRASTRUCTURE PLAN

For the Crawley Borough Local Plan 2021-2037

January 2021



prosperity and progress whilst delivering development in a sustainable, well planned and timely fashion.

The Local Plan sets this out in more detail but the key elements of the vision that are of particular relevance to the Infrastructure Plan are summarised below.

By 2037 around 5,320 new homes will have been built

Around 20 per cent

Appendix 1: Key Infrastructure

WATER SUPPLY

Current Provision

WASTE WATER INFRASTRUCTURE

Current Provision	<p>Provided by Thames Water Waste water is treated at Crawley Waste Water Treatment Works (WwTW)</p>
Evidence Base	<p>At Crawley Study 2009 Water Cycle Scoping Study 2010 Water Cycle Outline Study 2011 Water Cycle Update Study 2013 Water Cycle Study 2020 Water Resources Management Plan 2019 (2020) Thames Water Business Plan 2020-2025 (AMP7)</p>
Current Findings	<p>2020 Water Cycle Study indicates that growth over the period up to 2036 may exceed the hydraulic capacity of Crawley WwTW and the permitted flow from the WwTW into the associated catchment. Upgrades to infrastructure capacity are likely to be required and may take 3-5 ye</p>

ELECTRICITY

GAS

Current Provision

	<p>Crawley Borough Council has allocated a capital budget to the Town Centre District Heat Network, which is also being funded from other sources including the national Heat Network Investment Project (HNIP).</p> <p>The Manor Royal heat network project is being supported from a range of sources including West Sussex County Council, the Manor Royal Business Improvement District, and EU funding awarded via the BISEPS (Business clusters Integrated Sustainable Energy Packages) initiative. Vehicles for coordinating business support for the project are being explored.</p> <p>The connection of new developments to District Energy Networks in Crawley may be secured as part of a development by means of a planning obligation.</p>
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Summary

All District Energy Network priority areas to have district energy networks by the end of the Plan period.

DIGITAL INFRASTRUCTURE

Current Provision

Existing broadband infrastructure is operated by Openreach and Virgin Media
 4G mobile infrastructure is operated by Vodafone, O2, EE and Three: between them these provide good 4G coverage over most of the borough

Evidence Base

UK Industrial Strategy: *Building a Britain Fit for the Future* (Secretary of State for Business, Energy and Industrial Strategy, 2017)
 National Planning Policy Framework (2019)

infrastructure, the full growth potential in the area will not be achieved. Exclusion from access to broadband can also reduce access to public services and employment opportunities, cause social isolation and mean that people may not be able to benefit from discounts for online billing or payments.

EDUCATION

Current Provision

Twenty six primary schools considered to be at 90% capacity at year of entry.

Seven secondary schools considered to be at 96% capacity at year of entry.

Some primary schools also provide nursery classes and there are a range of pre-schools throughout the town.

Two special schools considered to be 100% capacity at year of entry.

One Alternative Provision setting considered to be 100% capacity in all year groups.

Eight Special Support Centres co-

A site for a 6-8 FE secondary is therefore required going forward. Due to the lack of an identified site in Crawley the Local Plan makes allowance for consideration of education provision on sites allocated for uses including housing. In addition discussions are taking place with neighbouring authorities to ensure that in the absence of an available site within Crawley, a strategic site is identified as close to the Borough as possible.

Specialist provision for children with Special Educational Needs is required moving forward by providing a combination of a new special school, Special Support Centres at mainstream schools, and an alternative provision college site for children who are excluded from mainstream education. There is a particular shortfall in provision for children with Social, Emotional and Mental Health needs (SEMH) and for children with Autism.

The precise level of need generated by new development over the Local Plan period, and any excess need over and above that met by the interventions identified above, will depend on the mix and tenure of the dwellings delivered. WSCC will continue to assess predicted pupil numbers and discussions will continue with WSCC over the provision of additional primary and secondary places in the borough.

Youth, Adult Education and Further Education facilities may be required as the Crawley population increases although these elements of education are not led by WSCC.



Further discussions are required regarding the approach to meeting additional requirements for Special Educational Needs provision.

	<p>The allocations in the plan will help meet the need for waste facilities generated by Crawley in the context of provision for the county as a whole.</p> <p>No additional waste sites are identified or required in Crawley itself.</p>
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HEALTH

<p>Current Provision</p>	<p>12 GP practices.</p> <p>Surgery, Ifield Medical practice, Langley Corner Surgery, Leacroft Medical Practice (Langley Green) , Pound Hill Medical Group, Saxonbrook Medical Centre (Maidenbower and Northgate), Southgate Medical Group, Woodlands and Clerklands (Tilgate and Horley).</p> <p>In line with the NHS Long term Plan, Crawley has developed into 3 Primary Care Networks (PCNs):</p> <p>Crawley Care Collaborative PCN (Bridge, Langley Corner, Leacroft and Southgate)</p> <p>Healthy Crawley PCN (Ifield, Furnace Green, Pound Hill and Woodlands and Clerklands)</p> <p>South Crawley PCN (Bewbush, Coachmans, Gossops Green and Saxonbrook)</p> <p>Crawley Hospital includes an Urgent Treatment Centre, a variety of Outpatient and Day Surgery services and has 74 beds. A&E, and acute services are provided at East Surrey Hospital in Redhill by Surrey and Sussex Healthcare NHS Trust.</p> <p>Improved Access Service (IAS) provides 66 hours of additional GP and nurse appointments, from 5 hubs across Crawley, up to 8pm weekdays and at weekends and bank holidays.</p>
<p>New Developments</p>	<p>PCNs form the bedrock of the new national strategy to increase resilience in Primary Care, strengthen collaboration between practices and form the basis for offering a range of enhanced services at network level for the population of a network which complement and enhance primary care provision, such as Musculo-skeletal services, clinical pharmacy and other services which cannot always easily be developed at a single practice level.</p> <p>From 2019, the CCGs have started to commission an Improved Access Service (IAS) covering all Crawley GP practices provides 66 hours of additional GP and nurse appointments, from 5 hubs across Crawley, up to 8pm weekdays and at weekends and bank holidays. This is an important development as it increases available appointment capacity across all GP practices, thereby enabling them to see more patients.</p>
<p>Evidence Base</p>	<p>GP Forward View</p> <p>NHS Long term Plan</p> <p>Sussex and East Surrey Sustainability and Transformation Partnership: North Place Business Plan 2019/20</p> <p>Sussex and East Surrey Sustainability and Transformation Partnership: Transition Year Business Operating Plan 2019-20</p>
<p>Current Findings</p>	<p>Crawley Hospital has the capacity to provide more services and is underused.</p> <p>8 out of 12 practices in Crawley have capped lists, hence the majority of patients who would like to register need to be allocated a GP practice through NHS England</p> <p>Capping is due to the population increase associated with new housing developments, lack of available doctors and nurses locally and some restrictions to premises</p>

POLICE

<p>Current Provision</p>	<p>Crawley forms part of West division of Sussex Police Staff (officer & support staff) delivering policing to the borough of Crawley include 250 police officers and 170 support staff. Vehicles delivering policing to the borough of Crawley include 30 divisional vehicles and 33 force-wide vehicles. Based in Crawley Police Station, Northgate Avenue, with other local sites Community Office in Broadfield Library and Neighbourhood Hub</p>
<p>Evidence Base</p>	<p>Position Statement (2008-2014) Sussex Police Estates Strategy 2013-18 Infrastructure delivery requirement update 2019 Sussex PCC Medium Term Financial Strategy (March 2019) Sussex Police & Crime Plan (2017/21)</p>
<p>Current Findings</p>	<p>Based on the existing operating model of Sussex Police, the crime increase and housing growth identified, this would require an additional 52 staff being employed by Sussex Police. Requirement for personal equipment for staff/officers This includes workstations, radios, protective equipment, uniforms</p>

FIRE	
Current Provision	Part of West Sussex Fire & Rescue Service Fire Station located on edge of town centre on Ifield Avenue 5 bay fire station with 2 water tenders, 1 heavy rescue tender and a four wheel drive vehicle
Evidence Base	Annual Report 2017-2018 Statement of Assurance 2017-2018 West Sussex Fire and Rescue Service Integrated Risk Management Plan (IRMP) 2018-2022
Current Findings	The Fire Service is continuing to invest capital in the current station as there is currently no firm timetable or specific funding for the construction of a new station.

AMBULANCE

Current Provision

SPORTS AND PLAY FACILITIES

Current Provision

K2 Leisure centre 50 m swimming pool, athletics track, climbing

	potential surplus sites which could be used for other types of development, potentially in combination with establishment of new facilities and/or enhancement of retained open space.
Phasing	Conditions relating to the Forge Wood development require provision of playing fields.
Funding	Additional/improved provision through S106 and CIL. CBC Play Strategy.
Summary	Existing evidence points to generally sufficient provision in most types of open space and sports facilities, with deficiencies in quantity of some types in some areas, and some deficiencies in quality of provision. This position is to be reassessed as part of the Open Space study commissioned by the council. In some areas there are opportunities to consolidate open space whilst enhancing retained open space to better meet the needs of residents.

GREEN INFRASTRUCTURE

<p>Current Provision</p>	<p>Interconnected network of multi-management of water supply; flood risk management; improved water quality and management of waste water.</p> <p>form.</p> <p>661ha managed open space, sport and recreation, including formal parks and gardens such as Tilgate Park, Goffs Park, Memorial Gardens, Broadfield Park, Worth Park and Grattons Park.</p> <p>525ha designated sites and reserves, including 330ha Sites of Nature Conservation Importance and 23ha local nature reserves.</p> <p>33ha forming part of the High Weald AONB.</p> <p>745ha habitat spaces, including 193ha ancient woodland.</p> <p>Significant amounts of structural landscaping and tree cover: an estimated 250,000 trees and 4,500 shrub beds.</p> <p>A network of public rights of way.</p> <p>Other local assets, including allotments and green roofs.</p> <p>cases).</p>
<p>Evidence Base</p>	<p>Designations with supporting evidence such as Conservation Areas/Sites of Nature Conservation Importance, Landscape Character Assessment (CBC 2012), Built-Up Area Boundary Review (CBC 2012).</p> <p>Green Infrastructure Assets and Opportunities (CBC 2014)</p> <p>Public Rights of Way Improvement Plan (WSCC)</p> <p>Green Infrastructure Topic Paper (CBC 2014)</p> <p>Green Infrastructure Supplementary Planning Document (CBC 2016)</p> <p>High Weald AONB Management Plan 2019-2024 (2019)</p> <p>Eco-Serv GIS Report</p> <p>Climate Change Topic Paper (2020)</p>
<p>Current Findings</p>	<p>There is currently a lack of integration between types of green infrastructure. Linking, protecting and enhancing valued green</p>

	Existing evidence and consultation will be used to identify a green infrastructure network and opportunities/projects to enhancement GI.
Future Studies and Plans	CBC is in the process of cataloguing trees for better understanding of this resource Updates to existing evidence base identifying needs and opportunities.

Phasing

<p>Funding</p>	<p>Gatwick Station improvements are to be funded by the DfT, Network Rail, the Coast to Capital LEP and Gatwick Airport Limited. Funding is in place.</p> <p>Station improvements schemes included within the Growth Programme are to be funded by a combination of public and private sources, including the Coast to Capital LEP, developer contributions, West Sussex County Council and Crawley Borough Council.</p>
<p>Summary</p>	<p>Crawley has good rail connections through a number of stations.</p> <p>Improvements to station facilities taking place.</p>

TRANSPORT ROAD

<p>Current Provision</p>	<p>Junctions 9, 10, 10a and 11 of the M23 serve Crawley A23 dual carriage way runs on a north south basis through the town providing a route for through traffic A264 provides access to Horsham to the west and East Grinstead to the east. Neighbourhood distributor roads run through neighbourhoods</p>
<p>Evidence Base</p>	<p>At Crawley Study 2009 Site specific transport assessments for major developments Stage 1 transport assessment (2012) Stage 2 transport assessment (2014) Draft Strategic Infrastructure Package for Crawley (2017) Crawley Sustainable Transport Package (2018)</p>
<p>Current Findings</p>	<p>Transport Assessment for adopted (2015) plan assumed the following committed transport schemes:</p> <ul style="list-style-type: none"> - A23 Handcross to Warninglid carriageway improvements - Two-stage improvement to Cheals Roundabout to improve capacity in peak hours, stage 1 dedicated left turn slip and widening A2220 from west, stage 2 signalised crossroads (stage 2 not fully funded) - Signal improvements to the M23 Pease Pottage junction to improve capacity at peak hours. - Improvements to Gatwick Road / Radford Road Roundabout. - Signalisation of A2011 and A2004 Hazelwick. - Improvements to M23 Junction 10. - New link road joining A2011 Crawley Avenue with B2036 Balcombe Road (north) incorporating access to North East Sector development (replaces existing west-facing slips) - B2036 Balcombe Road / Steers Lane signalisation - B2036 Balcombe Road / B2037 Antlands Lane roundabout - B2036 Balcombe Road / Radford Road signalisation - Radford Road / Steers Lane signalisation - Radford Road signalised shuttle arrangement at railway bridge includes conversion of westbound traffic lane to footway/cycleway <p>Transport Assessment identified a number of junctions that perform significantly worse as a result of development proposed in the Local Plan, although not already over capacity from background growth, and which would require mitigation to return them to capacity:</p>

<p>Phasing</p>	<p>Most mitigation schemes expected to be implemented during by 2030 provided that the envisaged build-out is achieved, with Crawley Avenue/Balcombe Road expected before 2022. The Gatwick Road/Fleming Way scheme has been replaced by a pedestrian/cycle scheme at the same location.</p>
<p>Funding</p>	<p>The Crawley Area Transport Package is identified in the Coast to Capital Local Enterprise Partnership (C2C Economic Plan (SEP) as a key package of schemes that will implement transport improvements. Developer funding through Community Infrastructure Levy and Section 106 funding Strategic Economic Plan funding Consideration of WSCC bids for funding.</p>
<p>Summary</p>	<p>Background traffic growth during the plan period will affect a number of junctions in the town The Council will work with WSCC to identify ways in which the issues at these junctions could be addressed. Development proposed in the Local Plan would lead to a small number of junctions performing significantly worse, although not over capacity. Potential minor improvements to the junctions to mitigate these impacts have been identified and tested. Western Link Road corridor identified within The impact of development projected for the period 2020-35 requires further assessment.</p>

TRANSPORT WALKING AND CYCLING

Current Provision

Good existing provision of off-road cycle paths.
 Provides links to town centre, Manor Royal and Gatwick.
 National Cycle Network runs through Crawley.
 Cycle parking at major destinations, neighbourhood centres and community facilities.
 Circular Greenway footpath route around town and with links to neighbourhoods.
 Extensive network of footpaths throughout neighbourhoods.

Evidence Base

New development s

ADULT SOCIAL CARE

Current Provision

Although there are existing Extra Care Housing schemes in Crawley there is still by the available measures, an undersupply of ECH and therefore room for further development in Crawley BC. WSCC estimates that there may be demand for two schemes of 60 homes each, in the timescale of this strategy.

North West Sussex SHMA identifies a need for 1,027 units of sheltered/ extra care housing and 1,029 care bedspaces arising in Crawley over the period 2019-39.