

Digital Infrastructure Coverage Update

Waverley Borough Council – Annual Business Meeting
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What do gigabit speeds offer businesses?

Having faster fibre speeds provides greater productivity, efficiency, reliability, resilience and flexibility and enables:

- Improved uploading, downloading and transferring of files
- Digital services like video conferencing, streaming and uninterrupted monitoring
- More flexible working for staff
- Smart technologies:
 - Artificial Intelligence - common uses include customer relationship management, internet and data research, digital personal assistants, cybersecurity and machine learning
 - Internet of Things - enhance business processes and solutions by using sensors, devices, gateways and platforms e.g. sensors that monitor heating and lighting in the office.

Digital Infrastructure Coverage

	Average download speeds (Mbps)	Coverage of 30Mbps + (superfast)	Coverage of gigabit (FTTP or DOCSIS 3.1)	Coverage of full fibre (FTTP or FTTH)	Unable to access 10Mbps (Legal USO)
	Feb-22	Feb-22	Feb-22	Feb-22	Feb-22
UK	77	97.0%	66.1%	31.9%	1.19%
England	80	97.4%	67.3%	30.7%	0.81%
SURREY	76	98.2%	71.6%	23.0%	0.38%
Elmbridge	104	99.3%	78.3%	27.1%	0.05%
Epsom & Ewell	82	99.9%	94.1%	73.2%	0.03%
Guildford	81	97.8%	71.1%	8.6%	0.41%
Mole Valley	62	96.7%	66.7%	14.3%	0.73%
Reigate & Banstead	78	98.6%	79.8%	29.6%	0.25%
Runnymede	68	98.7%	73.2%	9.2%	0.11%
Spelthorne	85	99.0%	81.9%	31.7%	0.15%
Surrey Heath	84	99.3%	81.0%	22.0%	0.15%
Tandridge	52	95.5%	54.5%	18.9%	1.05%
Waverley	47	96.7%	32.2%	23.7%	0.80%
Woking	100	98.9%	83.4%	4.2%	0.45%

The Government's ambitions are that 85% of all UK premises will be able to access gigabit-capable download speeds of 1000Mbps+ by 2025 increasing to 'nationwide' by 2030.

<https://labs.thinkbroadband.com/local/>

Commercial Gigabit plans in Waverley

Fixed fibre Gigabit coverage announcements by Commercial Network Operators

Openreach exchanges	Virgin Media - Upgrade of existing network including:	Box Broadband	Swish Fibre	F&W / Hey Broadband	Grayshott Gigabit
Bramley	Areas around Farnham	Ellens Green	Cranleigh	Cranleigh	Hindhead
Cranleigh		Ewhurst	Farnham	Godalming	Beacon Hill
Frensham		Cranleigh	Godalming		Churt
Godalming					Elstead
Haslemere					Tilford
Hindhead					Frensham
Runfold					
Wormley					

openreach



<https://www.surreycc.gov.uk/business/digital-infrastructure-coverage>

5G coverage in Surrey

Location	EE	O2	Three	Vodafone
Ashford	Yes			
Banstead		Yes		
Byfleet		Yes		
Chertsey		Yes		
Chipstead		Yes		
Egham		Yes		
Epsom	Yes	Yes		
Esher		Yes		
Gatton Bottom		Yes		
Guildford	Yes	Yes	Yes	Yes
Horley			Yes	

EE	O2	Three	Vodafone
Molesey		Yes	
Ottershaw			Yes
Redhill		Yes	
Staines-upon-Thames	Yes	Yes	
Sunbury-on- Thames	Yes	Yes	
Thorpe		Yes	
Trumps Green		Yes	
Virginia Water		Yes	
Walton-on-Thames	Yes		Yes
Weybridge	Yes	Yes	Yes



5G Coverage

No announcements yet for towns in Waverley. Independent monitors such as Kenstips publish coverage :

https://kenstechtips.com/index.php/5g-network-coverage#South_East_England

GIGABIT BROADBAND VOUCHER SCHEME

- Gigabit Vouchers for rural eligible premises worth up to £1,500 per residential premises & £3,500 per business premises
- Up until the end of November 2021, 3743 Surrey homes and businesses accessed more than £6.7M of funding by working in groups. This included 570 homes and businesses in Waverley who claimed £1.04M.
- Gigabit Voucher Scheme will be paused on 15 July 2022 for between 4-9 months while the Project Gigabit procurement is underway.



Project Gigabit Lot 22 (Surrey)

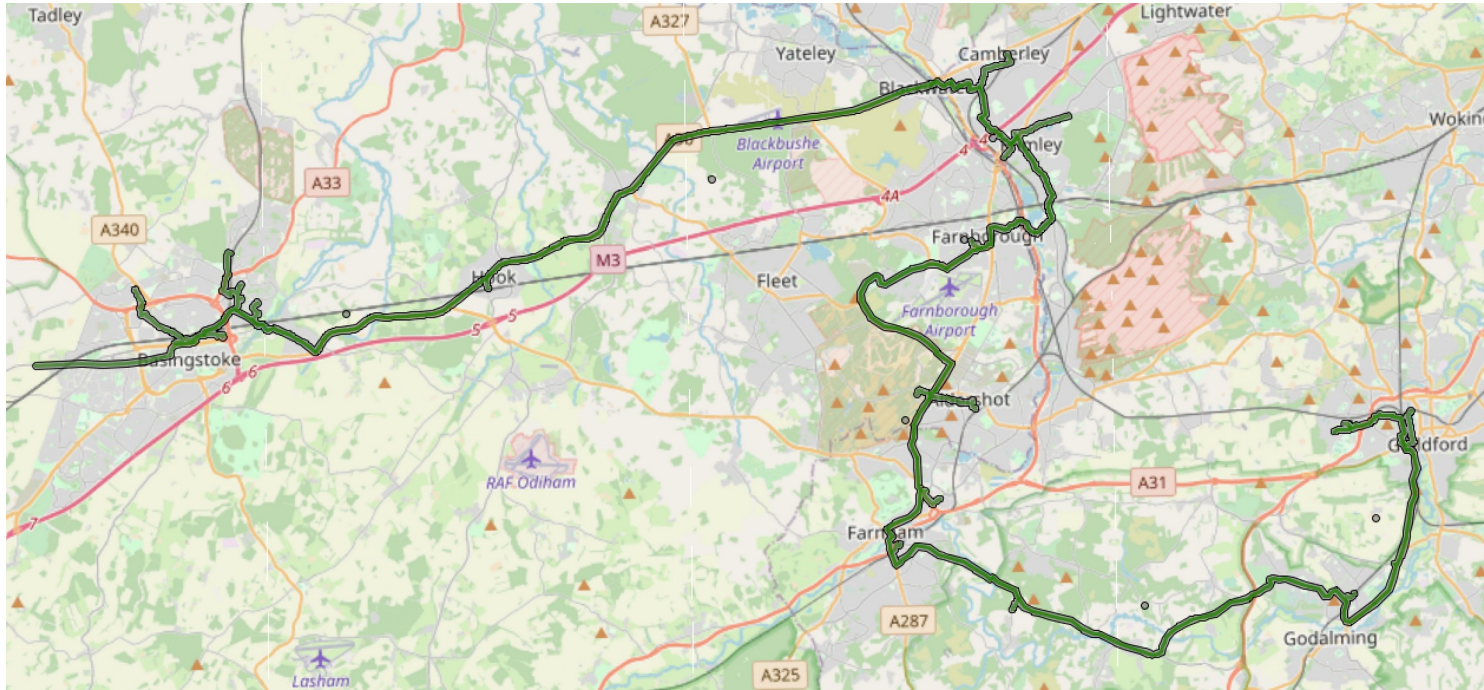


- **August 2021** – Government announcement of up to £101M - £170M funding allocated to connect up to 99,000 premises mostly in Surrey as part of Lot 22
- **October 2021** - Open Market Review
- **Next few months** - Public Review
- **Late Summer 2022** - Procurement activities anticipated to start
- **Summer 2023** – Award of contract / deployment starts.

Even if, during the reviews, a home or business is designated as eligible for public subsidy, not all premises will benefit from the Project Gigabit procurement. It will not be known until deployment starts whether the home or business will be included in any rollouts.



EM3 Fibre Spine Proposal



- 94 km 432 Fibre Spine wholesale network stretching from Basingstoke to Guildford, via Hook, Camberley, Aldershot, Farnborough and Farnham
- route has been subject to detailed survey and design, detailed costing and detailed financial modelling.
- market testing has been undertaken with potential suppliers.
- as part of the procurement, Enterprise M3 will be asking about how extensions to the original route would be managed.

EM3 Fibre Spine & Laterals

Properties within **100m**:

Total Residential Units: 20431

MDU Count: 7784

SDU Count: 12647

Commercial: 3711

Other: 346

EM3 Fibre Spine & Laterals

Properties within **300m**:

Total Residential Units: 47,482

MDU Count: 13,775

SDU Count: 33,707

Commercial: 7777

Other: 839

Impacts on the Highways

- Major activity to deploy infrastructure on, under or over footpaths, roads and poles over the next few years.
- This may involve laying new ducting, clearing ducts, associated traffic management, installation of new infrastructure including poles, chambers and maybe a few cabinets.
- Communications Providers may come along at different times to deploy their infrastructure along the same road.
- Regular joint meetings with communication providers to highlight our expectations of their work, identify possible conflicts with other works taking place and understand how and what communication with communities will take place during the works.

Openreach's Analogue Network shutdown (ALL-IP)

- The analogue network is gradually being shut down over the next three years as the Openreach network moves to digital.
- Devices affected may include a landline phone, or a special service device, such as an intruder alarm, lift alarm or Telecare Health service. It could be a sensor in a business network, or a device that only works on an extension. The simple rule is that when the telephone line is changed to digital or 'All IP', it will need any device that currently plugs directly into a wall socket, to be plugged into a broadband router (if provided by the service provider) instead and be compatible with that router and that service provider's service.
- The move to digital has already started in Surrey and will take place at different times in different areas. Communication providers will be in touch with their customers to advise them when the move is taking place in their area and what needs to be done by when.
- In the meantime, businesses should undertake an audit to understand what devices may be impacted.

For more information please see

<https://www.openreach.com/upgrading-the-UK-to-digital-phone-lines>