Surrey's Digital Infrastructure Strategic Framework

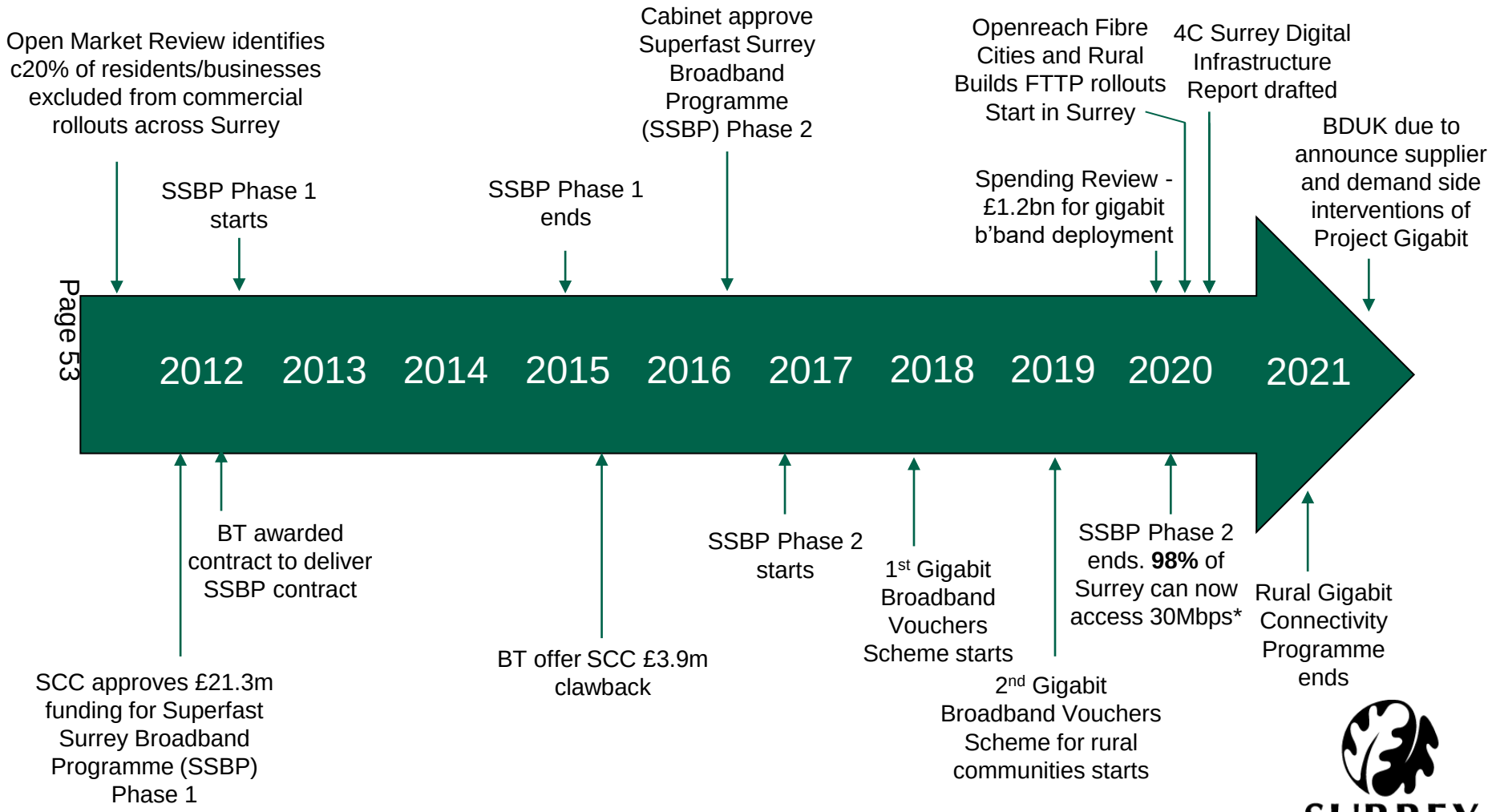
Contents

1. Background
2. Objectives
3. Context
4. Strategic policy
5. Project drivers
6. Multiple investor layers
7. Public assets approach: Position Statement
8. Emerging programme
9. Next steps

Appendix I. Draft Delivery Programme

SURREY COUNTY COUNCIL

1. Background



*However, regarding Gigabit capable (DOCSIS 3.1 or FTTP) coverage, Surrey is be[redacted]e UK average (17.2% to 39.0%)

2. Objectives

- To work with commercial providers and other partners to deliver a **strategic programme of investment** to maximise connectivity at 1GB+ and access to 5G mobile services to residents, businesses and communities in Surrey
- To deliver a hyper-connected environment which will:
  - Deliver a range of SCC strategies, outcomes and benefits which depend on a step change in digital capability and connectivity
  - Support access to all digital service, economic and employment opportunities for all Surrey's residents, businesses and communities
  - Facilitate a new range of emerging technologies, capabilities and applications to enable Surrey's entrepreneurs, businesses and universities to compete nationally and internationally and drive economic growth
- To leverage external Government funding and revenue streams from digital related assets and activities

SURREY COUNTY COUNCIL

3. Context

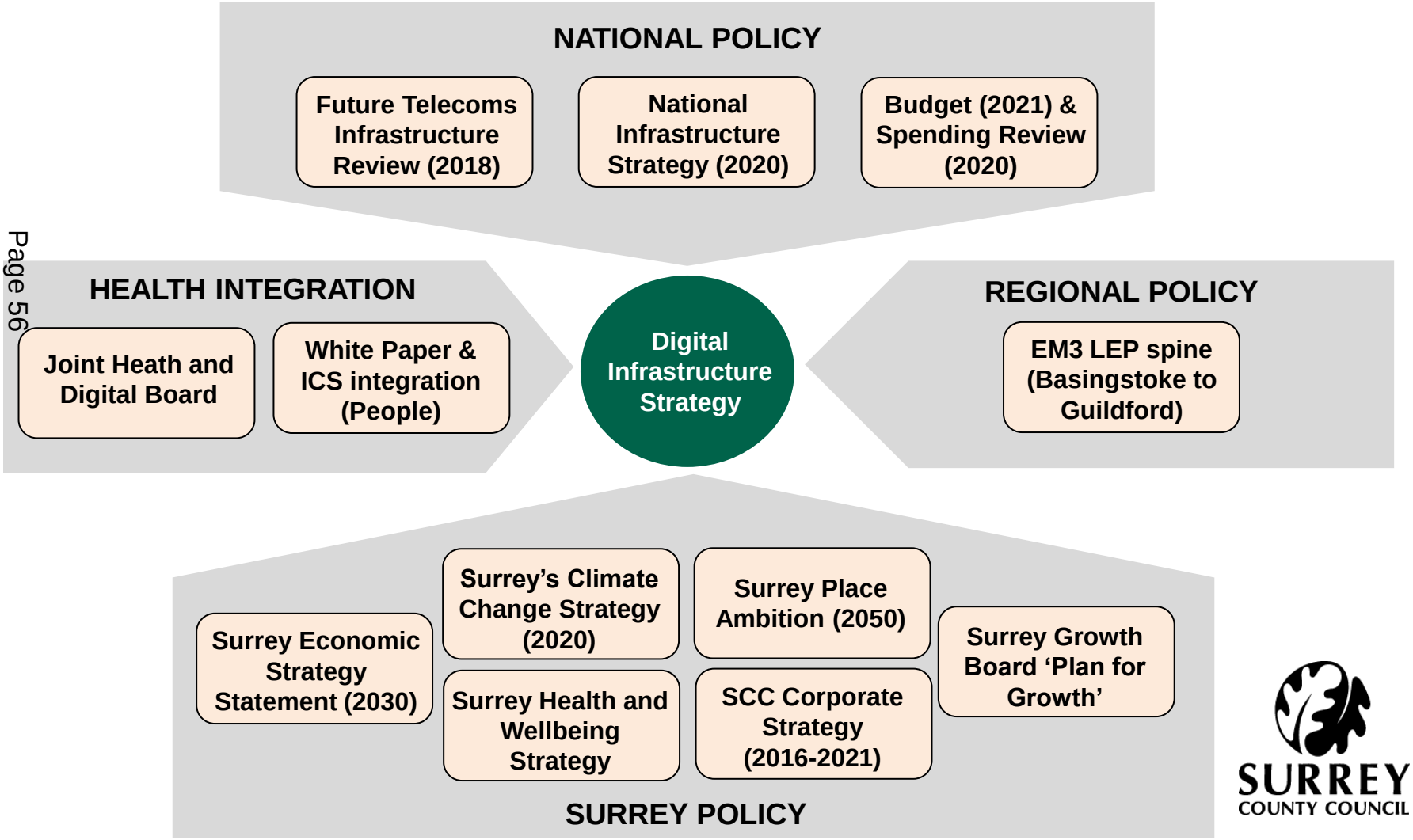
Government's £5bn gigabit rollout scheme (rebranded 'Project Gigabit') announced (18 March) - Surrey not included in any of the first tranches of large and small procurements listed

Supply side: Uncertainty over the mapping of the proposed Gigabit rollout and mapping the gaps in coverage – BDUK discussions with commercial providers continue – SCC have zero influence on this process

Strategic fit with the rest of SCC's strategic capital programmes – need to be aware of other integration initiatives (Health etc)

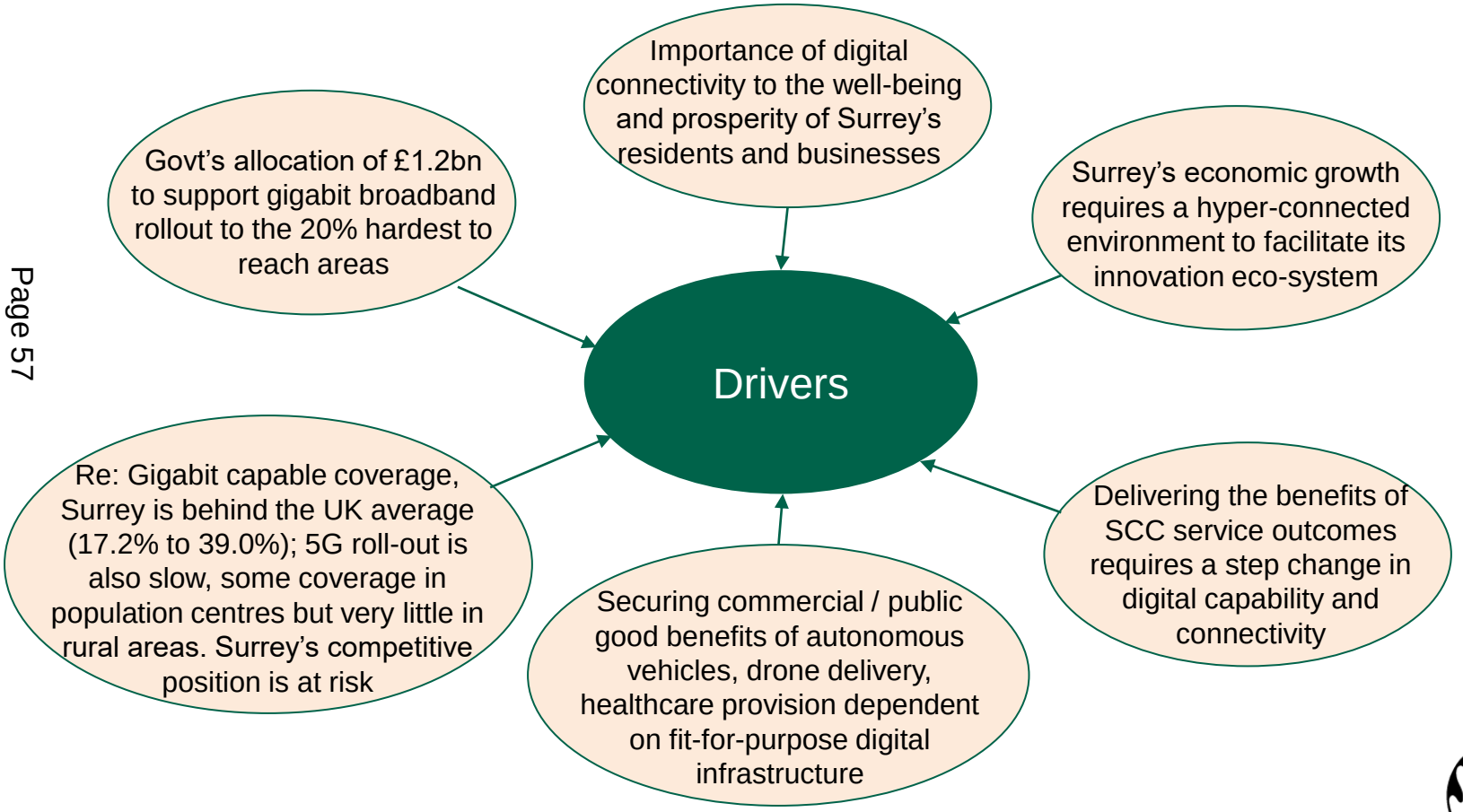
Need to recognise the fragmented nature of the digital delivery across Surrey – including a variety of commercial providers, Alt Nets and BDUK (rural areas) – this impacts on investment negotiation strategy

4. Strategic policy



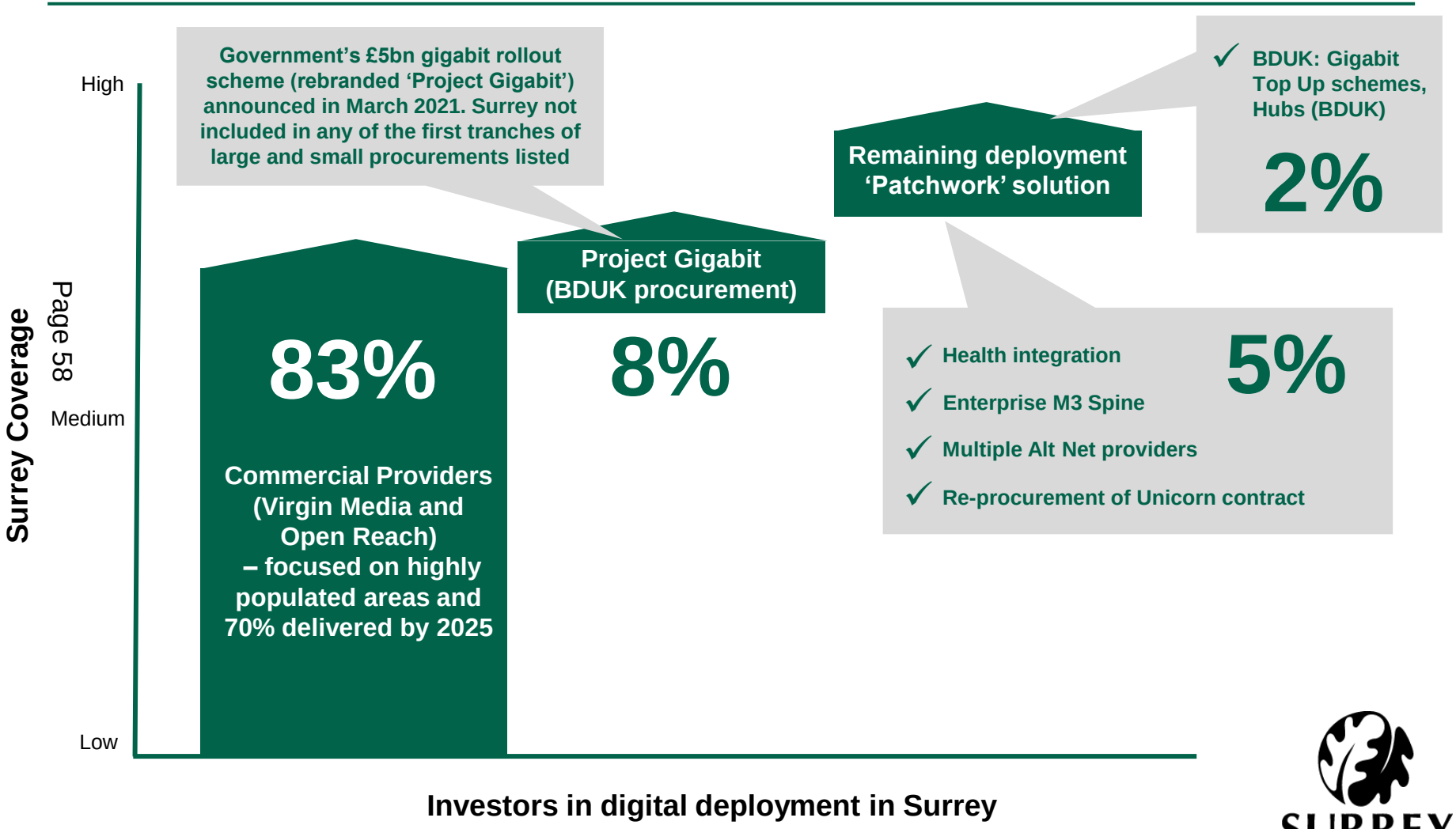
SURREY COUNTY COUNCIL

5. Project Drivers



SURREY COUNTY COUNCIL

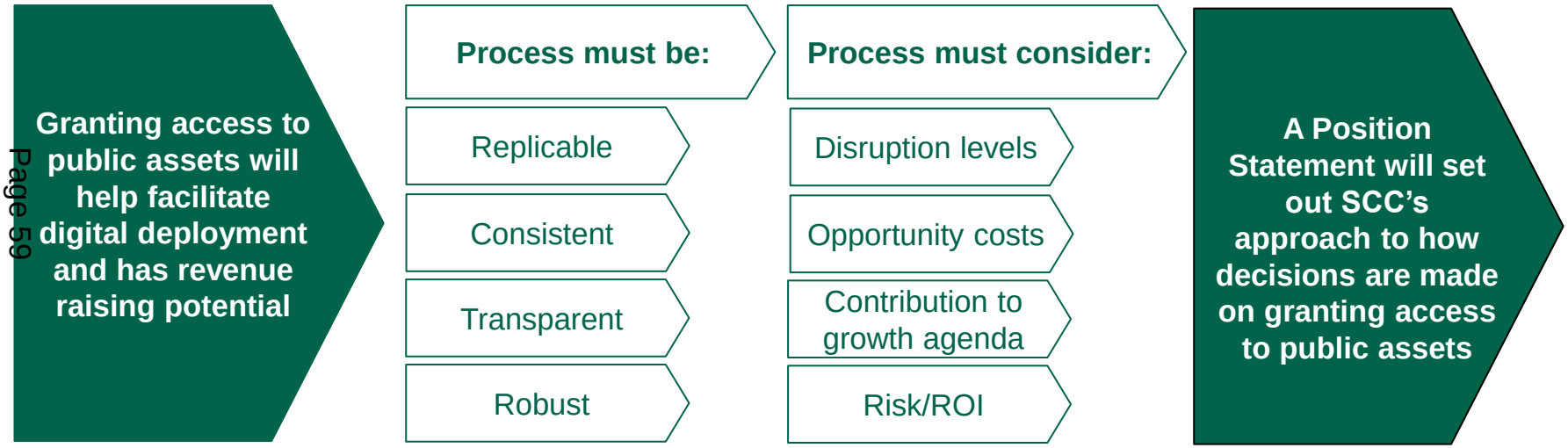
6. Multiple investor layers (%[1])



SURREY COUNTY COUNCIL

[1] All %s are projected estimates. Government has warned that premises in the final 1% may be "prohibitively expensive to reach".

7. Public assets approach: Position Statement



SURREY COUNTY COUNCIL

8. Emerging Programme

Digital Infrastructure Emerging Strategic Programme
(Digital infrastructure interventions)

Group A. 'Enabling' activity
(Planning for delivery to ensure enablers are in place)

Group B. Immediate delivery
(Lower cost / risk opportunities to demonstrate progress)

Group C. Longer term / partner dependent
(Higher cost / risk opportunities requiring Business Case support)

SURREY COUNTY COUNCIL

8.1 Emerging Programme

Digital Infrastructure Emerging Strategic Programme
(Digital infrastructure interventions)

Group A. 'Enabling' activity (Planning for delivery to ensure enablers are in place)	Group B. Immediate delivery (Lower cost / risk opportunities to demonstrate progress)	Group C. Longer term / partner dependent (Higher cost / risk opportunities requiring Business Case support)
• Communicate Digital Infrastructure Strategy • Wayleaves / highway permits process (Social Housing) • Ducting replicable approach • Single point of contact • Register of local assets • Access to SCC assets • Commercial revenue review • Gigabit top-Up vouchers	• Electric vehicle charging points • Information Kiosks • Re-Procurement of UNICORN network contract • Partnership with D&Bs and other public sector partners	• Community Fibre Partnerships • Expansion of Hub Sites scheme • Use of housing and planning policy • Smarter Highways (A22) • Direct build feasibility study • Business Case Development

SURREY COUNTY COUNCIL

Appendix I. Draft Delivery Programme (Enabling Activity)

Intervention		Description	Timeframe*	Resourcing*
1	Communicate and leverage Digital Infrastructure Strategy	Develop and publish Digital Infrastructure Strategy and action plan to communicate SCC's intent to commercial providers and support future funding bids	Short	Low
2	Wayleaves/highway permits process (Social Housing focus)	Work with local partners (D&Bs, RSLs etc) to design and implement a streamlined and integrated framework process (with associated templates etc) for wayleaves / highway permits. The early focus will be on facilitating access to social housing to reduce the cost of provision per property for operators	Short	Low
3	Ducting	Design of a SCC-wide approach to ducting; particularly in relation to highways development. Need to understand what SCC have (link to asset register below) and understand gaps. Need to investigate the commercial model and the revenue raising potential. Good practice review from elsewhere.	Short	Low
4	Single point of contact	Establish a single point of contact within SCC to coordinate all Council liaison and triage/direct enquiries, issues, and key decisions	Short	Low
5	Register of local assets	Creation of a register/database of SCC's public assets (plus operator infrastructure) to inform gap analysis and support effective communication of need to commercial operators	Medium	Medium
6	Access to SCC assets	Using the register (above) design a process to identify/create assets which can be leveraged to commercial operators and contribute to Surrey's digital infrastructure; for example, installation of ducts on highways schemes or use of street furniture/public realm to house 5G antennae	Short	Low
7	Commercial revenue review	A review of good practice and a revenue-raising options appraisal to establish SCC's commercial strategy around either: charging for local asset access, securing share of commercial partners future revenue, or guaranteeing rapid deployment in key areas	Short	Low
8	Response to Top-up voucher opportunities	Following BDUK's eligibility criteria (and proposed deployment areas) announcement for the Gigabit Top Up voucher scheme (Project Gigabit), design and deliver (at pace) SCC's proactive response to accelerate provision in applicable areas of the County	Short	Medium

*Indicative / high-level internal estimate (Source: SCC, 2021)

Appendix I. Draft Delivery Programme (Immediate Delivery)

Intervention		Description	Timeframe*	Resourcing*
1	Electric vehicle charging points	Roll out of electric vehicle charging points	Short	Medium
3	Information Kiosks	Lobby / partnership with BT to encourage shift to town centre Wi-fi emitting information kiosks as replacement for their telephone boxes	Short	Medium
4	Re-Procurement of UNICORN network contract	Bring forward the procurement of the UNICORN network (ending 2024) to re-specify this expenditure (£2m PA) to achieve added value by facilitating fibre connectivity to areas that would not otherwise benefit; for example, the Hub Sites scheme (see above)	Short	Medium
	Partnership with D&Bs and other public sector partners	Linked to SCC's rapid response, strengthen partnership with D&Bs and other public sector partners to share information, intelligence and target applicable areas within their economic geographies	Short	Low

*Indicative / high-level internal estimate (Source: SCC, 2021)

SURREY COUNTY COUNCIL

Appendix I. Draft Delivery Programme (Longer Term)

	Intervention	Description	Timeframe*	Resourcing*
1	Community Fibre Partnerships	Continue to work with residents and businesses to proactively facilitate Community Fibre Partnerships (CFPs)	Short	Medium
2	Expansion of Hub Sites scheme	Continue to explore with BDUK the potential to expand the existing public sector and school Hubs programme being delivered in Surrey	Short	Medium
3	Smarter Highways (A22)	Future proofing road capacity to support connected vehicles opportunities; specifically looking at the designs of any planned scheme or major resurfacing project	Short	Medium
4	Use of housing and planning policy	Work closely with D&Bs to use planning and housing policy to facilitate enhanced connectivity by specifically referencing digital infrastructure expectations within their Local Plans and/or use of statutory planning powers to incentivise Developers to ensure new commercial and residential developments have full fibre connectivity	Medium	Low-Medium
5	Direct build feasibility study	Commission a feasibility study to test the viability and cost-benefit of investing in direct build schemes to address specific coverage issues within the County.	Medium	Medium
6	Business Case development	Production of HMT 5 Case Green Book compliant business cases to support funding applications	Medium	Medium

*Indicative / high-level internal estimate (Source: SCC, 2021)

SURREY COUNTY COUNCIL

SURREY
COUNTY COUNCIL

This page is intentionally left blank