

DRAFT Proposed modification to Appendix 7: Infrastructure Framework

Note to accompany addendum to Appendix 7 relating to the Broadland part of the Norwich Policy Area

13. I am not sure from the councils' response to Q1.17 that the Infrastructure Framework in Appendix 7 of the JCS reflects the current thinking of the Local Investment Plan and Programme (LIPP). Whilst I agree that it is not appropriate to update the whole of Appendix 7, it should at least be updated to reflect the infrastructure required at this time (as a 'snapshot') in this Local Plan (i.e. the part JCS). Please would the **councils** prepare an appropriate modification for the hearing session (also see the question below)?

13. The tables below provide an update to Appendix 7 and the infrastructure items identified in the Order. There are a number of projects (BD1 – BD9) that have not been added to the appendix as they derive from other strategies.

The Local Investment Plan and Programme v4.1 February 2012 is the most recent published version, a further update will be published once the Inspectors report has been issued.

Update May 2013 – Infrastructure Framework addendum to Appendix 7 relating to the Broadland part of the Norwich Policy Area

This table updates Appendix 7, Infrastructure Framework with the phasing, costs and indicative timescales

Infrastructure Framework: Priority 1 projects 2013 – 2016

This table includes projects from 2013 - 2016 relating to the North East Growth Triangle (updated as a snapshot at the time of the examination of the remitted parts of the Strategy - the first 3 years of delivery post adoption) The first 3 years are shown separately in order to remain in-line with the rest of the adopted JCS

Ref	Scheme	Required for growth in	Promoter/ delivery body	Total cost £m	Funding sources	Estimated delivery dates by	Source
Waste water							
SP1	Sewerage upgrade - solutions subject to on-going discussions with Anglian Water and the detailed water cycle study being undertaken for the north east	Rackheath and remainder of growth triangle	Developer	Tba	Developer/ AW provision	2016	Water Cycle Study Stage 2: B
Green Infrastructure							
GI16	Retention and re-creation of Mousehold Heath to the surrounding countryside	Overall scale of growth in particular Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Local Authorities/ Developer	0.033	Local authority/ Developer contributions	2016	Green Infrastructure Delivery Plan
GI17	Broads Buffer Zone	Overall scale of growth in particular Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Local Authorities/ Developer	0.21	Local authority/ Developer contributions	2016	Green Infrastructure Delivery Plan

Transportation							
T1	Norwich Northern Distributor Road (Note: Costs spread over 2 periods)	Overall scale of growth in particular Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle <ul style="list-style-type: none"> • Broadland: Smaller sites in the NPA (2000 dwellings) • Norwich Area Transportation Strategy including delivery of BRT • Broadland Business Park • Airport employment allocation 	Norfolk County Council	107	DfT £67.5m <ul style="list-style-type: none"> • Developer Contributions • Norfolk County Council 	2016	NATS
T2a	Postwick Junction improvements	Overall Scale of Growth. Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle <ul style="list-style-type: none"> • Broadland: Smaller sites in the NPA (2000 dwellings)¹ • Norwich Area Transportation Strategy including delivery of BRT • Broadland Business Park • Airport employment allocation 	Norfolk County Council	19.0	DfT Funding £19m	2016	NATS
T11	Bus Rapid Transit via Salhouse Road and Gurney Road - Phase 1	Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle	Norfolk County Council/ Norwich City Council	2	1.8 Eco-community PoD <ul style="list-style-type: none"> • Developer contributions 	2016	NATS
T15	Development Link Broadland Business Park to Salhouse Road	Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle	Developer Lead	2.5	Developer contributions	2016	NATS

Infrastructure Framework: Priority 1 projects 2016 -2021							
<i>This table includes projects from 2016 - 2021 relating to the North East Growth Triangle (updated as a snapshot at the time of the examination of the remitted parts of the Strategy)</i>							
Ref	Scheme	Required for growth in	Promoter/ delivery body	Total cost £m	Funding sources	Estimated delivery dates by	Source
Waste Water							
SP1	Sewerage upgrade - solutions subject to ongoing discussions with Anglian Water	Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle	Developer	TBA	Developer/ AW provision	2021	Water Cycle Study Stage 2b
U2	New primary substation on new site (Norwich Airport north)	Expansion of the employment area - airport business park <ul style="list-style-type: none"> • Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle 	EDF energy	6.3	Developer contributions	2021	Infrastructure Needs and Funding Study
U3	New grid sub-station on existing sites (Norwich East)	Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle	EDF energy	17	100% AMP	2021	Infrastructure Needs and Funding Study
Green Infrastructure							
GI 16	Retention and re-creation of Mousehold Heath to the surrounding countryside	Overall scale of growth in particular Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Local authorities/ Developers	0.033	Local authorities/ Developer contribution	2021	Green Infrastructure Delivery Plan
GI 17	Broads Buffer Zone	Overall scale of growth in particular Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Local authorities/ Developers	0.21	Local authorities/ Developer contribution	2021	Green Infrastructure Delivery Plan

Transport							
T1	Norwich Northern Distributor Road (Costs spread over 2 periods)	Overall scale of growth in particular Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle • Broadland: Smaller sites in the NPA (2000 dwellings) • Norwich Area Transportation Strategy including delivery of BRT • Broadland Business Park • Airport employment allocation	Norfolk County Council	13	• Norfolk County Council	2021	NATS
T2b	Postwick Park and Ride Junction improvements	Overall Scale of Growth. Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle • Broadland: Smaller sites in the NPA (2000 dwellings) • Norwich Area Transportation Strategy including delivery of BRT • Broadland Business Park • Airport employment allocation	Norfolk County Council	6	Developer contributions and remaining Growth Point Funding £1.7m	2021	NATS
T11	Bus improvements via Salhouse Road and Gurney Road phase 2	Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle	Norfolk County Council/ Norwich City Council	3	Developer contributions	2021	NATS
T12	Bus Rapid Transit via Norwich airport A140 to City centre - Phase 2	Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle	Norfolk County Council/ Norwich City Council	1.5	Norfolk County Council • DfT • Growth Point • Developer contributions	2021	NATS

T12	Bus Rapid Transit via Norwich airport A140 to City centre - Phase 1	Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle	Norfolk County Council/ Norwich City Council	1.5	Norfolk County Council • DfT • Growth Point • Developer contributions	2021	NATS
T15	Development Link Broadland Business Park to Salhouse Road	Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle	Norfolk County Council/ Norwich City Council	2.5	Developer contributions	2021	NATS
Infrastructure Framework: Priority 1 projects 2021 -2026							
<i>This table includes projects from 2021 - 2026 relating to the North East Growth Triangle (updated as a snapshot at the time of the examination of the remitted parts of the Strategy)</i>							
SP1	Sewerage upgrade - solutions subject to ongoing discussions with Anglian Water	Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle	Developer	Tba	Developer/ AW provision	2026	Water Cycle Study Stage 2 B
Electricity							
U4	New primary substation on new site (Sprowston / Rackheath)	Old Catton, Sprowston, Rackheath, and Thorpe St Andrews growth triangle	EDF energy	4.3	Developer contribution	2026	Infrastructure Needs and Funding Study 2009
Green Infrastructure							
GI 16	Retention and re-creation of Mousehold Heath to the surrounding countryside	Overall scale of growth in particular Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle		0.033		2026	Green Infrastructure Delivery Plan
GI 17	Broads Buffer Zone	Overall scale of growth in particular Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle		0.21		2026	Green Infrastructure Delivery Plan

Transportation							
T12	Bus Rapid Transit via Norwich airport A140 to City centre - Phase 3	Old Catton, Sprowston, Rackheath, and Thorpe St Andrew Growth triangle	Norfolk County Council/ Norwich City Council	8.5	Norfolk County Council <ul style="list-style-type: none"> • DfT • Growth Point • Developer contributions 	2026	NATS

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Infrastructure Framework: Priority 2 projects 2013-2016 (none)

This table includes projects from 2013 - 2026 relating to the North East Growth Triangle (updated as a snapshot at the time of the examination of the remitted parts of the Strategy)

Three categories of infrastructure that are viewed as Priority 2 are Education, Healthcare and Green Infrastructure The Health Authority will take a flexible approach to the provision of hospital beds. Locations will be determined by the Health Authority at a later date. It is presumed funding will come through the AMP.

Infrastructure Framework: Priority 2 projects 2016-2021**Education**

ED1	60 place pre-school	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Norfolk County Council	0.54	Developer contribution	2021	Infrastructure Needs and Funding Study
ED1	60 place pre-school (co-location with community space)	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Norfolk County Council	0.54	Developer contribution	2021	Infrastructure Needs and Funding Study
ED1	2FE primary with integrated 60 place nursery	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Norfolk County Council	5.14	Developer contribution	2021	Infrastructure Needs and Funding Study
ED1	2FE primary with integrated 60 place nursery	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Norfolk County Council	5.14	Developer contribution	2021	Infrastructure Needs and Funding Study
ED9	1400 secondary school with 280 sixth form places co-located with 4 x indoor sports courts phase 1	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Norfolk County Council	13	Developer contribution	2021	Infrastructure Needs and Funding Study
HC4	Primary Care Centre (5 GPs and 4 Dentists)	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Health Authority	3.35	Health Authority	2021	Infrastructure Needs and Funding Study

Infrastructure Framework: Priority 2 projects 2021-2026							
Education							
ED2	60 place pre-school	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Norfolk County Council	0.54	Developer contribution	2026	Infrastructure Needs and Funding Study
ED2	2FE primary with integrated 60 place nursery	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Norfolk County Council	5.14	Developer contribution	2026	Infrastructure Needs and Funding Study
ED2	2FE primary with integrated 60 place nursery	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Norfolk County Council	5.14	Developer contribution	2026	Infrastructure Needs and Funding Study
ED9	1400 secondary school with 280 sixth form places co-located with 4 x indoor sports courts phase 2	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Norfolk County Council	13	Developer contribution	2026	Infrastructure Needs and Funding Study
HC5	Primary Care Centre (5 GPs and 4 Dentists)	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Health Authority	3.35	Health Authority / Developer contribution	2021	Infrastructure Needs and Funding Study

Infrastructure Framework: Priority 3 projects 2013-2016

The table below lists the Priority 3 infrastructure requirements to deliver the Joint Core Strategy. The 2 categories of infrastructure that are viewed

as Priority 3 are Community facilities and Community services.

Community facilities

CF1	Community facilities	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Broadland District Council	0.54	Private companies • Developers • Local authorities	2013-16	Infrastructure Needs and Funding Study
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Infrastructure Framework: Priority 3 projects 2016-2021

CF1	Community facilities	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Broadland District Council	1.44	Private companies • Developers • Local authorities	2016 - 2021	Infrastructure Needs and Funding Study
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Infrastructure Framework: Priority 3 projects 2021-2026

CF 1	Community facilities	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle	Broadland District Council	2.54	Private companies • Developers • Local authorities	2021-2026	Infrastructure Needs and Funding Study
HWRC 1	Household waste recycling centre	Old Catton, Sprowston, Rackheath and Thorpe St Andrew Growth Triangle					