Infrastructure Delivery Plan - Preferred Growth Option

Hierarchy	Settlement	Discipline	Sub-discipline	Del	elivery Pr	rogramme	Infrastructure Requirment	Cost Estimate	Cost Estimate Source	Programme Duration	CIL Funding S106 Funding Public Sector Funding	Funding Programme
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District Wide	Not Applicable	Transport	Newark on Trent Southern Link Road	ωμηωι			New link road Assumed to be improved as part of the SLR.	£20,000,000	Estimated by WYG	2014 - 2016	100% 0% 0%	
			A46/B6166 Farndon Roundabout, Newark on Trent Bypass A1/B6326 London Road Roundabout, Balderton				Possible introduction of signal control and improvements to A1 merge/diverge facilities. Assur	umed £0	Estimated by WYG Estimated by WYG	2014 - 2016 2014 - 2016	0% 0% 100% 50% 0% 50% 25% 0% 75%	
			A614/A6075/A616 Ollerton Roundabout junction A46/A617 Cattle Market Roundabout, Newark on Trent Bypass				As per previously proposed NCC scheme. Introduction of signal control	£4,000,000 £3,000,000	Estimated by WYG Estimated by WYG	2014 - 2016 2016 - 2017	25% 0% 75% 50% 0% 50%	
			A1/A17 Winthorpe Roundabout, Newark on Trent Bypass A1/A46 Brownhills Roundabout, Newark on Trent Bypass				Introduction of signal control (capacity/safety improvement)	£2,000,000 £2,000,000	Estimated by WYG Estimated by WYG	2016 - 2017 2016 - 2017	50% 0% 50% 50% 0% 50%	
			A46 Link Capacity, Newark on Trent Bypass A6097/Trentside at Gunthorpe				Introduction of signal control (capacity/safety improvement) Road space reallocation to make best use of available carriageway, particularly on junction Scheme to ban right turns. Possible introduction of signal control and associated geometry revisions. Possible introduction of signal control and associated geometry revisions.	£500,000 £250,000	Estimated by WYG Estimated by WYG	2017 - 2018 2017 - 2018	50% 0% 50% 10% 0% 90%	
			A6097/A612 junction at Lowdham				Possible introduction of signal control and associated geometry revisions.	£125,000 ents £500,000	Estimated by WYG	2017 - 2018 2017 - 2018	70% 0% 30%	
			A6097/B6386 junction at Oxton A6097 Link capacity (A46 to A612), Gunthorpe to Lowdham A6097 Link capacity (A612 to B6386), Lowdham to Oxton				Possible widening of southern arm entry/exist and circulatory to allow 2-lane ahead movemer Possible on-line carrigeway widening and/or alternative capacity improvements, such as Possible on-line carrigeway widening and/or alternative capacity improvements	£2,000,000 £7,000,000	Estimated by WYG Estimated by WYG	2017 - 2018 2018 - 2020 2018 - 2020	10% 0% 90%	
			A6097 Link capacity (A612 to B6386), Lowdham to Oxton A617 Link capacity (A46 to C17), Kelham				Possible on-line carrigeway widening and/or alternative capacity improvements Possible on-line carrigeway widening and/or alternative capacity improvements		Estimated by WYG Estimated by WYG	2018 - 2020 2020 - 2026 2020 - 2026	15% 0% 85% 50% 0% 50%	
			A617 Link capacity (A46 to C17), Kelham Possible new bridge over River Trent A614/C1 junction - "White Post" roundabout	\mathbf{H}			Possible provision of a new road bridge over the River Trent Possible re-allocation of road space to provide 2 approach lanes from the south	£10,000,000	Estimated by WYG Estimated by WYG	2020 - 2026 2020 - 2026	50% 0% 50%	
			A614/A617 junction (Lockwell Hill)				Possible widening of entry/exists and circulatory to allow 2-lane movements.	£500,000 £1,000,000	Estimated by WYG	2020 - 2026 2020 - 2026	60% 0% 40%	
			A614/Mickledale Lane junction A614/C13 Eakring Road junction				Rationalise junction layout with possible closure of adjacent accesses. Provide standard acceleration/deceleration tapers.	£250,000 £100,000	Estimated by WYG Estimated by WYG	2020 - 2026 2020 - 2026	45% 0% 55% 100% 0% 0%	
			A614/B6030 junction (south of Ollerton) Church Gate/Westgate/King Street junction, Southwell				Possible introduction of signal control and associated junction geometry revisions. Possible introduction of signal control and associated junction geometry revisions.	£300,000 £500,000	Estimated by WYG Estimated by WYG	2020 - 2026 2020 - 2026	60% 0% 40% 100% 0% 0%	
			A614 Link capacity (A6097 to C1 "White Post" roundabout) A614 Link capacity (A617 to C13 Eakring Road)				Possible on-line carrigeway widening and/or alternative capacity improvements Possible on-line carrigeway widening and/or alternative capacity improvements	£4,000,000 £3,600,000	Estimated by WYG Estimated by WYG	2020 - 2026 2020 - 2026	100% 0% 0% 45% 0% 55%	
			A614 Link canacity (R6030 to A6075/A616 Ollerton Roundahout)				Possible on-line carringway widening and/or alternative capacity improvements	£1,700,000 £400,000	Estinated by WYG Estinated by WYG	2020 - 2026 2020 - 2026	100% 0% 0%	
			A612 Westgate link capacity, Southwell London Road / Main Street junction				Possible traffic management scheme Introduction of intelligent traffic signal control	£150,000	Estimated by WYG	Relates to specific developments	100% 0% 0% £0 £150,000 £0	Assumed to be directly attributable to development
			London Road / Bowbridge Road junction London Road / Portland Street junction (Beaumond Cross)				Introduction of intelligent traffic signal control Introduction of intelligent traffic signal control	£150,000 £150,000	Estimated by WYG Estimated by WYG	Relates to specific developments Relates to specific developments	£0 £150,000 £1 £0 £150,000 £1	D Assumed to be directly attributable to development D Assumed to be directly attributable to development
			Barnby Gate / Sherwood Avenue junction				Introduction of intelligent traffic signal control Provision of 'Ghost Island' & acceleration/deceleration taners	£80,000 £350,000	Estimated by WYG Estimated by WYG	Relates to specific developments Relates to specific developments	£0 £80,000 £0 £0 £350,000 £0	Assumed to be directly attributable to development Assumed to be directly attributable to development
			Bamby Gate / Coddington Road junction Lincoln Road / Brunel Drive junction				Introduction of intelligent traffic signal control and localised widening	£150,000	Estimated by WYG	Relates to specific developments	£0 £150,000 £	Assumed to be directly attributable to development
			Lincoln Road / Northern Road junction Castle Gate / Lombard Street junction		Ш		Peschie traffic management scheme Introduction in intelligent traffic spand control Introduction of intelligent traffic spand control Provision of Ghost Island' & acceleration/deceleration tapers Introduction of intelligent traffic spand control and localised widening Introduction of intelligent traffic spand control Introduction of intelligent traffic spand control Introduction of intelligent traffic spand control Introduction of spand control Introduction of signal control Indicalidation widening	£150,000 £200,000	Estimated by WYG Estimated by WYG	Relates to specific developments Relates to specific developments	£0 £150,000 £0 £0 £200,000 £0	Assumed to be directly attributable to development Assumed to be directly attributable to development
			Castle Gate / Stodman Street junction Bowbridge Road / Boundary Road junction	$+\Pi$	$H\Pi$		Introduction of intelligent traffic signal control Increase size of roundabout	£200,000 £500,000	Estimated by WYG Estimated by WYG	Relates to specific developments Relates to specific developments	£0 £200,000 £0	D Assumed to be directly attributable to development D Assumed to be directly attributable to development
			Bowbridge Road / Hawton Lane junction Reacron Hill Road / Northern Road junction				Introduction of signal control	£250,000 £80,000	Estimated by WYG	Relates to specific developments	£0 £250,000 £0	Assumed to be directly attributable to development
			Beacon Hill Road / Northern Road junction Sleaford Road / Friary Road junction		ш		Introduction of signal control localised strip widening	£60,000	Estimated by WYG Estimated by WYG	Relates to specific developments Relates to specific developments	£0 £60,000 £	D Assumed to be directly attributable to development D Assumed to be directly attributable to development
			Queens Road / Kings Road junction Great North Road/North Gate/Castle Gate Roundabout (Beastmarket Hill)				Introduction of signal control	£250,000	Estimated by WYG	Relates to specific developments	£0 £250,000 £1	Assumed to be directly attributable to development
			Queens Road/North Gate					£71,445,000			£15 £2,720,000 £11	Li
				44944		22334455	75	, ,,,,,				
Sub Bosional Contro	Newark	Education	Secondary School	-8888				£35,000,000		24 months construction period		LEA/Davalonar Tariff
Sub Regional Centre	7,760 residential units	Education Leisure	Secondary School Library				New secondary school Library Extension	£25,000,000 £475,000 £10,000,000		24 months construction period 12 months construction		LEA/Developer Tariff Developer Tariff
	80 hectares employment land	Leisure Utilities	Sports Hub Electricity				New sports hub to replace the Grove Upgrade to Bulk Supply Point	TBC		18 months construction, end of 2011 18 to 24 months from point of application		NSDC / LEA / Developer Tariff Central Networks
		Utilities Utilities	Electricity Wastewater				New Primary Substation 18mVA for employment	£4,000,000 £7,000,000	£3,500,000 for new Primary Substation (from Central Networks) plus £1000/m for 2 no. 33kV circuits (budgets taken from CN Long Term Development Statement) Estimate provided by STW at meeting of 15/5/09	12 to 18 months from point of application 3 to 4 years from point of application		Funded directly by developer Funded by Severn Trent Water - if development approved in Core Strategy
	Land South of Newark	Education	Primary Schools	ШĹ			Upgrading or Balderton Sewage Treatment works 2 no. two form entry primary schools 3 no. new GPs 2 no. new local centres	£14,000,000		24 months each		LEA / Developer Tariff
Strategic Sites	up to 2,200 residential units in plan perio 38 hectares employment land	d Health Retail	Doctors Local Centre		Scheme De	Pependent	2 no. new GPS 2 no. new local centres	£2,090,000 Scheme dependent		24 months		Funded directly by developer
		Utilities Utilities	Electricity Gas				New Primary Substation 18mVA Offsite Reinforcement to Gas Works for applications greater than 250 dwelllings	£4,000,000 £640,000	£3,500,000 for new Primary Substation (from Central Networks) plus £1000/m for 2 no. 33kV circuits (budgets taken from CN Long Term Development Statement) £180/m + £100,000 for pressure reducing station based on experience of similar mainlying contracts	12 to 18 months from point of application 18 to 24 months from point of application		Funded directly by developer Funded directly by developer
	Farmurand	Utilities	Water				13km offsite water main	£6,000,000	Provided by STW - minuted from meeting and follow-up email	3 to 4 years from point of application		Funded directly by developer
	up to 2,200 residential units in plan perio	Education d Health	Primary Schools Doctors Surgery				1.no. single form entry and 1 no. two form entry primary schools 3. no GPs New local centre in Fernwood New Primary Substation 18mVA	£12,000,000 £2,090,000		18 months and 24 months construction periods Extension to extg premises		LEA / Developer Tariff PCT
	15 hectares employment land	Retail Utilities	Local Centre Electricity		Scheme De	Pependent	New local centre in Fernwood New Primary Substation 18mVA	Scheme dependent £4,500,000	£3,500,000 for new Primary Substation (from Central Networks) plus £1000/m for 2 no. 33kV circuits (budgets taken from CN Long Term Development Statement)	12 to 18 months from point of application		Funded directly by developer Funded directly by developer
	Land East of Newark up to 1,600 residential units	Education	Primary Schools Doctors				1 no. single form entry primary school 2 no. new GP	£5,000,000 £1,672,000		24 months Extension to extg premises		LEA / Developer Tariff
	up to 1,000 residendal driits	[Fledici	poccos.				L 107 1041 G	E2j07Ej000		Excusor to ong promoci		ji Ci
			IN.	00000	500 00 00 00 00 00 00 00 00 00 00 00 00	1500 1400 1300 1300 1200 1100 1000	<u> </u>	FF 000 000		18 months construction		UPL (Navilación Torre
Service Centres	Ollerton and Boughton 513 residential units	Education Education	Primary Schools Secondary Schools				Additional 82 secondary school places	£1,365,000		12 months construction		LEA / Developer Tariff LEA / Developer Tariff
	0 hectares employment land	Health	Doctors Surgery Electricity				1 no. GP Upgrading of 11kV Circuits	TBC £438,500	£185/m for twin 11kV circuits in public highway + circuit breakers at £50,000 per pair (budgets taken from CN LTDS)	Developer led programme		PCT Funded directly by developer
	Clipstone	Utilities	Wastewater Primary Schools				Upgrade to STW sewer	TBC £3,190,000	STW has not confirmed investment need			Severn Trent Water - if development approved in LDF [LEA / Developer Tariff
	636 residential units	Education	Secondary Schools				Additional 102 secondary school places	£1,700,000		12 months construction 12 months construction		LEA / Developer Tariff
	4.0 hectares of employment land	Leisure Utilities	Community Centre Wastewater		-		New Community Centre Pumping station and rising main	TBC £1,200,000	£200,000 for a pumping station + £250/m for rising main based on experience of similar sized development and typical unit costs for installing PE pipes in public highway	12 months construction Developer led programme		Funded directly by developer
	Rainworth 421 residential units	Flooding Education	Flood Compensation Primary Schools				In o. single form entry primary school Additional 82 secondary school places In o. GP Upgrading of 11kV Circuits Upgrade to STW sever Additional 134 primary school places Additional 134 primary school places Mew Community Centre Pumping station and rising main Flood Compensation Additional 67 secondary school places Additional 67 secondary school places Flood Compensation Additional 67 primary school places Additional 67 primary school places Additional 67 secondary school places Additional 67 secondary school places Additional 67 secondary school places Upgrade of sewage treatment works	Subject to detailed design £2,095,000		South of Rainworth Bypass only 12 months construction		EA LEA / Developer Tariff
	5.0 hectares of employment land	Education	Secondary Schools				Additonal 67 secondary school places	£1,115,000		12 months construction		LEA / Developer Tariff
	Southwell 294 residential units	Flood Risk Education	Flood Compensation Primary Schools				Flood Compensation Additional 62 primary school places	Subject to detailed design £1,475,000		Land North of Mill Park 18 months construction		EA LEA / Developer Tariff
	7.0 hectares of employment land	Education	Secondary Schools Wastewater				Additional 47 secondary school places	£785,000	STW has not confirmed investment need	12 months construction		LEA / Developer Tariff
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Principal Villages	Bilsthorpe	Education	Primary Schools				Additional 49 primary school places	£1,165,000		12 months construction		LEA / Developer Tariff
	232 residential units	Lainum	Secondary Schools Community Centre				Additional 37 secondary school places	£615,000 £500,000		12 months construction 12 months construction		LEA / Developer Tariff Developer Tariff
	0.0 hectares employment land Blidworth	Leisure	Primary Schools				Additional 37 pinnery school places New Community Centre Additional 37 pinnery school places Additional 48 secondary school places Additional 48 secondary school places	£1,500,000		12 months construction		LEA / Developer Tariff
	300 residential units 2.0 hectares employment land	Education	Secondary Schools				Additional 48 secondary school places	£800,000		12 months construction		LEA / Developer Tariff
	Collingham	Education	Primary Schools				Additional 25 primary school places Additional 19 secondary school places	£595,000		12 months construction		LEA / Developer Tariff
	117 residential units 0.0 hectares employment land		Secondary Schools		ШН		Additional 19 secondary school places	£315,000		12 months construction		LEA / Developer Tariff
	Edwinstowe 121 residential units	Education	Primary Schools Secondary Schools				Additional 25 primary school places	£595,000 £125,000		12 months construction		LEA / Developer Tariff LEA / Developer Tariff
	0.0 hectares employment land	Utilities	Electricity				2.1km of twin 11kV circuits	£438,500	£185/m for twin 11kV circuits in public highway + circuit breakers at £50,000 per pair (budgets taken from CN LTDS)	12 months construction Developer led programme		Funded directly by developer
	Farnsfield 109 residential units	Education	Primary Schools Secondary Schools		\mathbb{H}		Additional 23 primary school places Additional 17 secondary school places	£550,000 £285,000	<u> </u>	12 months construction 12 months construction		LEA / Developer Tariff LEA / Developer Tariff
	1.0 hectares employment land	Utilities	Electricity				0.7km of twin circuits plus Primary Substation reinforcement	£179,500	£185/m for twin 11kV circuits in public highway + circuit breakers at £50,000 per pair (budgets taken from CN LTDS)	Developer led programme		Funded directly by developer
	Lowdham 65 residential units	Flooding Green Infrastructur					Upgraues to 11000 derences Woodland	Subject to detailed design		Land at Southwell Road Only Witin plan period		Environment Agency
	1.0 hectares employment land	Education	Primary Schools Secondary Schools				Additional 14 primary school places	£335,000 £165,000		12 months construction 12 months construction		LEA / Developer Tariff LEA / Developer Tariff
		Utilities	Electricity		ш		Additional 19 secondary school places Additional 25 primary school places Additional 25 primary school places 2. Elem of two 112V crocus Additional 29 primary school places 2. Elem of two 112V crocus Additional 21 primary school places Additional 21 primary school places Additional 10 records plass Primary Substation reinforcement Upgrades to flood defences Additional 10 minary school places Additional 10 secondary school places Additional 10 secondary school places Additional 10 secondary school places Upgrade 10 13V Crocis Pumping station and rising main Additional 10 minary school places Pumping station and rising main Additional 10 minary school places	£142,500	£185/m for twin 11kV circuits in public highway + circuit breakers at £50,000 per pair (budgets taken from CN LTDS) £200,000 for a pumping station + £255/m for rising main based on experience of similar sized development and typical unit costs for installing PE pipes in public highway	Developer led programme		Funded directly by developer
	Sutton On Trent		Wastewater Primary Schools					£1,875,000 £240,000	£200,000 for a pumping station + £250/m for rising main based on experience of similar sized development and typical unit costs for installing PE pipes in public highway	3 to 4 years from application 12 months construction		Funded by STW if within LDF LEA / Developer Tariff
	46 residential units	Education	Secondary Schools Electricity				Additional 7 secondary school places 1.3km of 11kv twin circuits Skm of office gas main	£115,000 £290,500		12 months construction		LEA / Developer Tariff Developer funded
	0.0 hectares employment land	Utilities	Gas				Skm of offsite gas main	£925,000	£185/m for twin 11kV circuits in public highway + circuit breakers at £50,000 per pair (budgets taken from CN LTDS) £180/m + £100,000 for pressure reducing station based on expereince of similar mainlying contracts	12 to 18 months		Developer funded offset by iGT
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