

INFRASTRUCTURE INVESTMENT PLAN 2015 - PROGRAMME PIPELINE UPDATE (SEPTEMBER 2018)

This pipeline provides information relating to ongoing key major infrastructure programmes with an investment of £50 million or more included at Annex A of the Infrastructure Investment Plan which was published in December 2015 as well as other key major infrastructure programmes with an investment of £50 million or more going forward.

Sector	Programme Name	Programme Description	Estimated Total Investment	How is Programme being Funded	Programme Delivery Timetable	Latest Programme Progress
TRANSPORT	A9 Dual carriageway	Phased improvements to the existing A9 Perth to Inverness.	£3 billion	<p>First 2 phases of programme capital funded.</p> <p>A range of financing options to be considered during subsequent stages of design and assessment.</p>	Preparatory and construction work underway with phased programme of schemes over period to 2025.	<p>Procurement for the second section, the, 9.5km section between Luncarty and Pass of Birnam has now concluded and the contract has been awarded to Balfour Beatty.</p> <p>The first section, the A9 Dualling: Kinraig to Dalraddy Project completed and opened in 2017.</p> <p>Design work on the remaining nine schemes is well advanced with Draft Orders now published for eight of them, meaning that we have published Draft Orders for approximately 95 per cent of the dualling programme.</p> <p>The A9 Advance Works framework agreement is enabling advance works to commence on both Luncarty to Pass of Birnam and other A9 schemes over the next four years. Divided into 3 separate lots: Lot 1 - framework agreements have been concluded with 4 contractors. The first package of work for demolition work on Luncarty to Pass of Birnam was completed in May 2018. The second package of work, for tree felling works on Luncarty to Pass of Birnam, was</p>

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						awarded in July 2018 and is currently underway; Lot 3 – framework agreements have been concluded with 2 contractors; and Lot 2 – tender assessment is currently underway and due to be complete in November 2018.
TRANSPORT	A96 Dual carriageway	Phased improvements to the existing A96 from Inverness to Aberdeen (including the Nairn Bypass).	£3 billion	A range of financing options being considered during subsequent stages of design and assessment.	The Scottish Government has committed to completing the programme by 2030.	<p>A Public Local Inquiry on the Inverness to Nairn (including Nairn Bypass) scheme is expected to commence on 30 October 2018 to consider objections received and not withdrawn.</p> <p>Route option assessment work on the section between Hardmuir and east of Fochabers has continued with a preferred option expected to be identified later in 2018.</p> <p>Route option assessment work on the section between east of Huntly and Aberdeen is also well underway. Initial route options exhibitions took place in early October 2018 with a preferred option expected to be identified in 2019.</p>
TRANSPORT	A82 Improvements	Improvements to the 17 km route between Tarbet and Inverarnan adjacent to the west bank of Loch Lomond.	£250 million-£500 million Range will be narrowed as the project develops.	Beyond 2017 as funding becomes available.	Delivery of the scheme can only commence when it is approved under the statutory procedures and thereafter a timetable for	Detailed Ground Investigation contract awarded February 2018 to inform on-going development and assessment of the preferred option for section of A82 between Tarbet and Inverarnan with a view to preparing draft Orders for the scheme later in 2018-19.

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TRANSPORT	High Speed Rail	<p>The HS2 scheme currently proposed includes London, Birmingham, (Phase 1) and Leeds, Manchester (Phase 2).</p> <p>There is not yet any commitment to extend HS2 into Scotland.</p>	-	-	<p>- Transport Scotland is currently working with Department for Transport, Network Rail to develop options for bringing HSR to Scotland.</p> <p>- The Network Rail study to identify potential infrastructure interventions that could be implemented in CPs 6 & 7 to improve capacity and reduce journey times between London and Glasgow/Edinburgh towards the 3-hour target has now been completed.</p> <p>- Targeted stakeholder engagement is ongoing</p>	<p>The North of HS2 to Scotland Working Group, which was set up to deliver the joint UK and Scottish Government Commitment to improve journey time between London and Central Scotland, has identified a number of rail infrastructure enhancements that could be implemented between 2019 – 2029.</p> <p>As announced by the First Minister on 6 November 2017, Transport Scotland has commissioned an in-depth Feasibility Study into two of the better performing options on the east and the west coast rail corridors to make informed investment decisions in the next ten years and move towards the joint Governments' goal of a three hour journey time between Central Scotland and London and substantially reduced journey times to the cities in between.</p> <p>On the east coast, the study will focus on the potential for a new high-speed line south of Dunbar towards Newcastle to confirm whether the journey time between Edinburgh and Newcastle could be reduced by a third, down to only one hour. On the west coast, the study will focus on a new high-speed line between Rutherglen and Carstairs and will also consider the potential for</p>

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						<p>new cross-border stations on a new high-speed line within the Eurocentral business park and on the existing rail network near Livingston.</p> <p>These studies are scheduled to report in December 2018.</p>
TRANSPORT	Aberdeen – Central Belt Rail Improvements	Phased package of improvements to enhance line speeds, additional loops for freight, upgraded signalling and reduce journey times on an incremental basis over the whole of the route by 2030.	<p>Phase One estimated costs £100 million - £250 million</p> <p>Freight estimated costs £50 million -£100 million</p>	Both the STPR project and the additional investment will be grant funded.	<p>Phase One to be delivered by March 2019</p> <p>£200 million project to be delivered within same 10-year period as Aberdeen City Deal (2016 to 2026)</p>	<p>Transport Scotland continues to work closely with Network Rail to ensure delivery of Phase one.</p> <p>The Reference Group commissioned OVE ARUP to undertake a comprehensive assessment of the route and are due to meet in November 2018 to review the consultants findings which are anticipated in the coming weeks. This work is expected to identify options for investment and service changes that will secure the best return from the £200 million investment.</p> <p>Initial analysis identified signalling capacity constraints immediately south of Aberdeen. Work is already underway with a target to install additional, capacity enhancing signals in the next twelve months.</p>
TRANSPORT	Glasgow Subway Modernisation	Major modernisation includes a smartcard ticketing system linked to	Scottish Government contribution of up to £246 million	Grant funding contribution	Modernisation will protect the future of the Subway, linking it to other transport modes across the	Works have continued on the infrastructure with a focus major works prior to the arrival of the new trains for testing on the system.

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		wider integrated ticketing; new rolling stock and signalling; refurbished stations with improved accessibility including replacing escalators.	towards total project cost £287.5 million.	up to period 2020-21	City of Glasgow, including the Interchanges at Govan and Partick and contribute to the regeneration of the City.	<p>Eleven out of the total of fifteen stations have now been refurbished.</p> <p>Contract for the new trains has been let. First train due to be delivered towards the end of 2018.</p>
TRANSPORT	Active Transport (Walking and Cycling)	Improvements to and extension of the network of walking and cycling paths and associated infrastructure.	£66 million capital in total. The capital funding will be used to enhance the 'Active Travel' experience by creating new custom built walking and cycling infrastructure and the upgrading and extension of existing infrastructure.	As part of the Programme for Government commitment, the Scottish Government will invest over £66 million in local authority and community based infrastructure projects that support and encourage walking and cycling throughout Scotland.	Up to summer 2022. Existing commitment to 20-18-19.	The capital funding for 2018-19 will be used to support an increased number of ambitious Active Travel infrastructure projects. Each project (except National Cycle network funding) is match funded by local authorities and/or third parties.

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HEALTH	Unscheduled and Diagnostic Care Centres	<p>New Diagnostic and Treatment Centres to allow people to be treated more quickly for planned surgery.</p> <p>The programme will encompass the provision of additional elective capacity across 5 Health Boards (on 6 sites) to cover the all-Scotland requirement out to 2035. This will require new build as well as refurbishment of existing infrastructure.</p>	£310 million	Capital funded	Delivery of all units is expected within the next Parliament (2016-2021).	<p>Outline Business Cases (OBC) have been approved by the NHS Capital Investment Group (CIG) for the North of Scotland Elective Care and the Golden Jubilee National Hospital's - Ophthalmology Unit Development and they are in the process of developing Full Business Cases.</p> <p>For the remaining centres, Initial Agreements have been approved and they are now in the process of developing their OBC's and we expect them to be submitted to the NHS CIG for review later in 2019.</p>
SCHOOLS	Scotland's Schools for the Future	School building programme which will deliver 117 new or refurbished schools across Scotland by March 2020.	£1.8 billion (£1.13 billion direct from Scottish Government with rest from Local Authorities)	Revenue and capital funded	31 March 2020	<p>95 schools are now operational, with 21 currently in construction.</p> <p>At least one new school project is being delivered in every local authority area in Scotland.</p>

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EARLY LEARNING AND CHILDCARE	Expand provision of funded Early Learning and Childcare (ELC)	Expand provision of funded ELC entitlement for 3-4 year olds and eligible 2 year olds from 600 to 1,140 hours per year from 2020.	Multi-year funding package agreed with COSLA of £476 million. 2017-18: £30 million. 2018-19: £150 million. 2019-20: £175 million. 2020-21: £121 million.	Capital Funded	2017-18 to 2020-21.	Multi-year funding agreement reached with COSLA Leaders in April 2018 to fully fund local authority capital requirements for the expansion of early learning and childcare. Funding is provided as a specific grant, so is protected for spend on ELC. The Scottish Futures Trust (SFT) is managing the infrastructure project on our behalf and is in the process of refreshing baseline information on planned projects across Scotland. SFT will be providing quarterly updates on progress to the ELC Joint Delivery Board which is co-chaired by the Minister for Children and Young People and the COSLA Spokesperson for Children and Young People.
HOUSING	Affordable Housing	The delivery of 50,000 affordable homes over the five years of the current Parliament (2016-2021). Working with local authorities, housing associations and private developers, we are committed to investment and	Over £3 billion	Capital funding committed from Scottish Government for the 5 years to 2021.	Delivery by end March 2021.	In the first 9 quarters of the 50,000 target, 17,337 homes have been delivered. Analysis to date shows that the current pipeline of approvals is capable of delivering against the remainder of the 50,000 target by 2020-21. This has been echoed by a recent report by Shelter Scotland and partners. We remain confident we will meet the target and we have taken early action to allow for the sufficient volume of building

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		ensuring best value in order to maximise the number of affordable homes that can be delivered from available resources.				<p>to take place over the course of this parliament.</p> <p>Over £756 million is available in 2018-19, and from this over £568 million has now been allocated to council areas across Scotland. The increases continue over the coming years, rising to £591 million in 2019-20 and £630 million in 2020-21. This brings the overall funding allocated to councils for affordable housing to £1.79 billion over the three years to end March 2021.</p> <p>Our investment in housing, will, on average, leverage economic output in the region of £1.4 billion per year, supporting around 10,000 to 12,000 jobs per annum in the construction and related industries in Scotland.</p>
HOUSING	Raising delivery across the housing sector	Plans to help address the development, financing, infrastructure and collaboration issues constraining increased housing supply across all tenures.	<p>Flexible grant and loan Housing Infrastructure fund.</p> <p>£150 million of Financial Transactions will be invested over 3 years to 2021 in Help to Buy</p>	Guarantees, loans, grant recycling and new sources of private funding.	<p>End March 2021</p> <p>End March 2021</p>	<p>Key achievements of the Housing Infrastructure Fund include:</p> <ul style="list-style-type: none"> - £7.9 million loan funding to Grandhome to unlock up to 4,700 homes. - £1.9 million of grant funding for infrastructure to support the delivery of 300 affordable homes, Dunbeg, Argyll and Maryhill Locks Glasgow. - £9 million to Highland Council to establish a recyclable infrastructure fund as part of the City Deal.

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			(Scotland) Affordable New Build and Smaller Developers schemes.			<p>The Planning (Scotland) Bill was introduced in December 2017. The Bill is a vital element of a wide package of reforms responding to the Independent Review of the planning system, which reported in May 2016. The Planning Bill is currently at Stage 2 with stage 3 expected early next year.</p> <p>Help to Buy (Scotland) has assisted over 12,000 households to purchase a home since it began in 2013.</p>
REGENERATION	Implementation of the Regeneration Strategy	Regeneration Strategy - Achieving a Sustainable Future – published in December 2011 - supporting sustainable economic growth, by tackling area inequality, addressing market failure, and increasing opportunities for areas of need to attract investment and jobs.	Regeneration Investment Fund - Capital Investment Fund - more than £125 million (includes Vacant and Derelict Land Fund budget line) over (2016-17 to 2018-19) with additional funds provided for SPRUCE (Scottish Partnership for Regeneration	Capital Funded	2016 to 2022 Capital Investment Fund includes recycling of initial £50 million JESSICA (Joint European Support for Sustainable Investment in City Areas) /SPRUCE fund which is an evergreen / revolving fund with money being reinvested into new projects over its lifetime.	119 projects have been recommended for funding from five rounds of RCGF (Regeneration Capital Investment Fund) including 2018-19. 11 projects received support from SPRUCE to date with more than £72 million of investments agreed.

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			in Urban Centres).			
DIGITAL	Reaching 100% programme (R100)	The delivery of 100% superfast broadband access across Scotland by the end of 2021.	£600 million has been committed for the initial procurement phase of R100.	The total project will be capital funded by Scottish Government (£579 million) and UK Government (£21 million).	Delivery of 100% superfast broadband access across Scotland by the end of 2021. Deployment timetable to be confirmed at conclusion of current procurement process.	The Scottish Government launched initial £600 million procurement in December 2017 structured in three lots. The dialogue stage of the procurement process is now progressing with three short-listed bidders, with a view to awarding contracts in 2019.
ENERGY	National infrastructure priority on energy efficiency – through Energy Efficient Scotland	Integration of domestic fuel poverty and energy efficiency programmes with heat generation and non-domestic energy efficiency activity to tackle fuel poverty and contribute to energy efficiency and climate change commitments.	In excess of £10 billion	Programme for Government committed £500 million for energy efficiency over four years to 2021. 2018-19 Draft Budget allocates £146.1 million to support domestic	From 2017 through to 2021. The programme is a 20 year programme and we anticipate that it will be operational until 2040 – at this point all buildings in Scotland will have reached the proposed long-term standard	In May 2018, we published the Energy Efficient Scotland Route Map setting out our proposals. This was accompanied by two consultations – one on the Energy Efficient Scotland Programme and one on the proposed new standard to Social Housing.

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				and non-domestic energy efficiency.		
ENERGY	Low Carbon Infrastructure Transition Programme (LCITP)	Programme supports the acceleration of projects to develop investment grade business cases and the delivery of low carbon infrastructure projects.	Phase 1 (2015-2018) £76 million. Phase 2 (2018-2021) £60 million	The programme is funded by the Scottish Government to 2020 with support for 40% activity through the European Structural Funds.	Phase 1 – delivery of 11 low carbon infrastructure demonstrator projects by December 2018 Phase 2 – the delivery of 10 low carbon infrastructure demonstrator projects by September 2021.	In December 2017, £550,000 was awarded to 10 projects to develop investment grade business cases and £1.95 million capital support was provided to 2 projects. £60 million Low Carbon Innovation Funding Invitation launched in January 2018. Capital support up to £10 million per project and support of up to £100k to help projects reach investment readiness is offered Focussed on Energy Systems, Low Carbon Heat and Ultra Low Emissions Transport Infrastructure. Project must be commissioned by 30 September 2021.
CITIES / REGIONS	Glasgow City Region Deal	The deal empowers Glasgow and its City Region partners to identify, manage and deliver a programme of investment to stimulate economic growth and create	£1.13 billion Scottish Government is a full partner and investing £520 million over 20 years. UK Government	Capital Funded	20 years from 2015-16 until 2034-35.	The deal, which was signed August 2014, is now well underway and the Glasgow City Region Cabinet has approved a number of projects. Considerable progress has already been made, with many projects already completed or in construction, such as the world-leading Imaging Centre of Excellence at the Queen Elizabeth University Hospital, Sighthill

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		jobs in their area, spreading the benefits of economic growth across Glasgow and Clyde Valley, and ensuring deprived areas benefit from this growth.	investing £500 million over same period and the regional partners £130 million.			regeneration and the Avenues project which is improving public realm around Glasgow.
CITIES / REGIONS	Aberdeen City Region Deal	The 10-year deal paves the way for investment in innovation, internationalisation, digital connectivity and infrastructure across the region.	<p>£250 million</p> <p>Scottish and UK Governments have committed to investing up to £125 million each.</p> <p>The Scottish Government has also committed to invest a further £254 million over the same 10-year period as the City Region Deal to deliver further</p>	Capital Funded	10 years from 2016 until 2026.	<p>The deal was signed in November 2016 and is now underway.</p> <p>The Scottish Government is working together with the UK Government and regional partners during the implementation phase to make the proposals within this deal a reality.</p> <p>The Oil and Gas Technology Centre has just celebrated its first year anniversary of operation. During this time, the centre has established 72 projects in support of its aim to drive innovation in the oil and gas industry, and accelerate new technologies to help unlock the full potential of the North Sea.</p> <p>Collaborative work is continuing in the north east around the Strategic Transport Appraisal. Emerging outcomes were presented to Council, Regional Transport Partnership and City Region Deal Boards in June 2018. This</p>

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			economic benefits.			is an important first step in the appraisal process and it will form a key part of the planning process for transport infrastructure across the region in the coming years. The work will inform the second Strategic Transport Projects Review at the national level as well as regional considerations through the Regional Transport Strategy.
CITIES / REGIONS	Inverness City Deal	The deal will support a step change in digital connectivity, digital healthcare, skills, innovation and infrastructure in the region.	£315 million Scottish Government has committed to investing up to £135 million in the deal, the UK Government up to £53 million, and the Council and regional partners a further £127 million over 10 years.	Capital Funded	10 years from 2016 until 2026.	The deal was signed in January 2017 and is now underway. Regional partners estimate that the Deal funding could unlock up to an additional £800 million of investment by the private sector. Grant payments totalling £4.4 million for 2017-18 and part of 2018-19 have been paid to date
CITIES / REGIONS	Edinburgh and South East Scotland City Region Deal	The deal will address inclusion issues, create new economic opportunities, and is expected to	£1.1 billion Scottish Government and UK Government	Capital Funded	15 years from 2018 until 2032.	The deal was signed in August 2018 and is now underway. The Scottish Government is working together with the UK Government and regional partners moving into the

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		provide up to 21,000 jobs.	have committed to investing up to £300 million each in the deal. Regional partners, including the six local authorities and the region's universities and private sector will contribute £501 million.			implementation phase to make the proposals within this deal a reality.
CITIES / REGIONS	Stirling and Clackmannanshire City Region Deal	The deal will enable the city region to thrive in new and emerging sectors with a highly skilled, flexible workforce, supported by outstanding infrastructure.	<p>£95.2 million</p> <p>Scottish Government and UK Government each invest £45.1 million.</p> <p>Scottish Government also making an additional investment of £5 million.</p>	Capital Funded	10 years from 2018	<p>The Heads of Terms was signed on 31 May 2018.</p> <p>The Scottish Government is working with the UK Government and the regional partners towards a full deal document and the implementation of the deal.</p>

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WATER	Scottish Water Investment Programme	For each regulatory period, Scottish Water is directed by Ministers to deliver improvements to customer service, drinking water, the environment.	£3.6 billion	Scottish Water's investment programme is financed from charges from customers and borrowing from the Scottish Government.	Scottish Water will invest £3.6 billion during the period 2015-21 which contributes significantly to economic growth and supports an estimated 5,000 jobs directly in the civil engineering, construction and design sectors - roughly 20 per cent of the market in these sectors in Scotland.	Progress is monitored by the Output Monitoring Group. It produces quarterly reports which are published at: https://beta.gov.scot/groups/output-monitoring-group/ Progress as shown in report for Quarter 1 2018-19 shows that delivery remains on track.
JUSTICE	Emergency Services Mobile Communications Programme (ESMCP)	Home Office led Programme to replace existing Airwave services. A Shared Services programme that provides enhancements to accommodate more data intensive working that will support improved service delivery and more efficient use of resources.	£9 billion approximately. (UK-wide) Home Office estimate ESMCP costs for Scotland to more than double over next five financial years 2018-19 to 2022-23 from £227.8 million to £462 million - an increase	Core costs fully funded by Government. Bids on capital elements of non-core that will be incurred by emergency services to be considered	A mobilisation and transition programme with deployment across the three emergency services commencing 2020 and concluding 2022. ESMCP Programme plan is currently being reset.	A 3-year extension of Airwave has now been agreed to extend the existing contracts until the new ESN (Emergency Services Network) can be delivered. National shutdown of Airwave now scheduled for Q4 2022. There is no alternative to mission critical ESMCP other than Airwave or a delivered ESN. A refreshed Full Business Case (FBC) and revised Financial Model are currently being considered. ESMCP will need to seek reapproval from Cabinet Office and Her Majesty's Treasury, Major Projects Review Group and its founding sponsors (including the

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			<p>of £234 million.</p> <p>Home Office subsequently provided additional data showing that while previous Scottish costs over seventeen financial years from 2015-16 to 2031-32 were £572.1 million, the new costs for 22 years from 2015-16 to 2036-37 are now £964.5 million, a significant increase of £392.5 million or 69%.</p>	<p>The estimated costs are based on a 22-year programme lifespan (to 2036-37).</p>		<p>Scottish Government and the Scottish Police Authority).</p> <p>The Home Office target for approving the refreshed FBC is December 2018.</p>
JUSTICE	Transforming Scotland's care of women in custody.	Programme of work to create a new model of custody to transform the care of women in	National Facility for Women Offenders (£57.1 million)	Capital Funded	Building construction complete and facilities operational by the end of 2020.	Women's National Facility: planning permission in principal granted June 2018. Contract notice and ESPD (European Single Procurement Document) issued May 2018 and responses evaluated in June.

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		<p>custody. Programme involves building facilities in the form of a new National Facility and Community Custody Units (CCU) and the development a gender specific trauma informed approach to managing women in custody.</p>	<p>Two CCUs £15.9 million</p> <p>Note: The current estimated cost for all five CCUs is £45 million.</p>			<p>Shortlisted potential bidders informed July 2018. Certain enabling works underway. ITT (Invitation to Tender) to be issued November 2018.</p> <p>CCU at Maryhill: planning permission for CCU at Maryhill obtained September 2018. Existing buildings on the site demolished and site cleared. Contract Notice and ESPD issued September 2018 following planning decision. ESPD responses due October 2018 and ITT to be issued early 2019.</p> <p>CCU at Dundee: announcement made April 2018 of the preferred site in the Hilltown area of Dundee. Planning application submitted August 2018 with decision anticipated October 2018. ESPD to be issued October 2018 and ITT early 2019.</p>