TAYSIDE AND CENTRAL SCOTLAND TRANSPORT PARTNERSHIP

14 SEPTEMBER 2021

A NEW REGIONAL TRANSPORT STRATEGY: OBJECTIVE SETTING REPORT BY SENIOR STRATEGY OFFICER

This report asks the Partnership to note the issues that have been identified to inform a new Regional Transport Strategy (RTS); to approve draft objectives and outcomes for the RTS; to approve outcomes for the impact assessment process; and to note the next stages for developing the strategy.

1 RECOMMENDATIONS

1.1 That the Partnership:

- approves the amendments to the indicative timescale for developing a new Regional Transport Strategy;
- (ii) notes the Main Issues that have been identified from the Main Issues Report and the responses to the Main Issues consultation;
- (iii) approves draft objectives and outcomes to guide subsequent stages of the strategy development;
- (iv) approves the draft outcomes for the Impact Assessment frameworks; and
- (v) Endorses the next steps in developing a Regional Transport Strategy.

2 BACKGROUND

- 2.1 Regional Transport Strategies have statutory status, as provided for in the Transport (Scotland) Act 2005 (The Act). The Act places a duty on constituent Councils, Health Boards and other public bodies to perform their functions which relate to, or which are affected by transport, consistently with their respective Regional Transport Strategy. The Act requires that Regional Transport Partnerships (RTPs) keep their strategies under review.
- 2.2 The Partnership meeting of 15 September 2020 approved the preparation of a new Regional Transport Strategy (RTS) (report RTP/20/32 refers).

3 DISCUSSION

Process and indicative timescales

3.1 The Partnership meeting of 15 June 2016 (report RTP/21/15 refers) noted the indicative timescales summarised in Table1 below:

TABLE 1: PROCESS AND INDICATIVE TIMESCALES (JUNE 2021)		
Reports	Engagement/decisions	
Main Issues Report	June - July : Local members and stakeholders to consider MIR and the issues	
Prepare consultation report	August - September: Board members to consider feedback and agree draft objectives	
Identify alternative strategies / options: High level appraisal of options against objectives	September - December: Tactran Board consider alternative strategies / options Late 2021 / Early 2022: Local members and stakeholders consider alternative strategies / options Early 2022: Tactran Board consider feedback from and agree preferred strategies/options	
Early 2022 - May 2022 Option appraisal / Draft RTS	June 2022: Tactran Board consider draft RTS for consultation Summer 2022: Consult on draft RTS	
Consultation report	Summer - Autumn: New administrations consider draft plan and responses September 2022: Tactran Board consider consultation report	
Adoption	Dec 2022: Tactran Board to consider final RTS	

- 3.2 The Partnership will note that the Main Issues engagement was extended to 11 August. As a consequence of this extension:
 - There was insufficient time to start the conversation with members on feedback and draft objectives in August
 - Consequently, it is proposed that the conversation on alternative strategies and options begins in October rather than September

Main Issues Engagement

- 3.3 The 'Main Issues' stage sought to identify:
 - (A) Information to help the Partnership set objectives and outcomes. i.e.
 - The social, economic and environmental policy priorities for the area
 - The transport and access issues in the area relating to those policy priorities
 - (B) Information to help the Partnership identify the policy and intervention options that can deliver the objectives. i.e.

- The nature of the area and the transport problems that have shape the transport and access issues
- The opportunities and uncertainties
- The geographic scope of consideration i.e. What is the origin or destination of people and goods travelling to/from or through the Tactran area.
- 3.4 This information has been gathered through:
 - The identification of main issues with the Partnership (see <u>Main Issues</u> <u>Report / Main Issues Storymap</u>)
 - Stakeholder and public engagement on the Main Issues
- 3.5 Stakeholder and public engagement on the issues that will assist in informing a new Regional Transport Strategy was undertaken between 1 June and 11 August. During this period:
 - Officers held meetings with established officer and community groups and individual agencies, receiving input from approximately 30 agencies
 - 44 public responses were received predominately via the storymap consultation website
 - 165 comments were received by social media in response to Facebook and Twitter advertising
- 3.6 The main issues raised during the engagement process are included in Appendix A which is available in the <u>Members area</u> of the Tactran website. Table 2 below summarises the responses.

TABLE 2: SU	MMARY OF MAIN ISSUES RESPONSES	
	Public	
Most referenced	 public transport (availability and cost) and access to services, most often healthcare 	
issues	importance of prioritising climate change	
	uncertainties of future demands	
Issues not	traffic impact of cultural and sporting events	
covered in the Main	aging population and people with hidden mobility difficulties	
Issues report	 need to consider more than just work trips 	
Topon	 increasing pressure on rural roads from tourism 	
	• impact of lack of transport on social inclusion (viscous circles)	
	 possibility of changing priorities, especially as climate issues become more acute 	
	Agencies & Groups	
Most referenced issues	 cross boundary travel into and through the region 	
	greater emphasis on climate change (and the urgency of climate change) and the implications of covid	

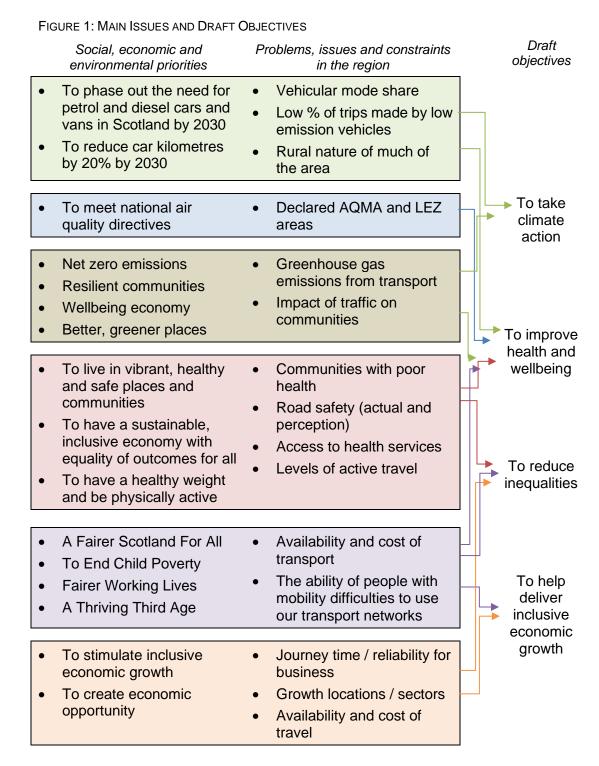
TABLE 2: SUMMARY OF MAIN ISSUES RESPONSES centralisation of services; reducing the need to travel and 20min neighbourhoods Issues not transport strategies needing to be aligned with digital and energy covered in strategies the Main efficient and reliable journey times through Tactran region to the Issues central belt and beyond report implications for travel demands of an aging population greater emphasis on the issues faced by those without access to a car or van desired the ability for young and at risk groups to access to jobs, training and services increase in regulated and unregulated tourism creating issues at popular locations access for tourism workers requirement to promote sustainable and equitable access into and around the Loch Lomond and the Trossachs National Park placemaking enhances the assets that are our towns the sustainability of our bus networks, and the consequences for school transport provision etc how fit are our transport networks for autonomous and low emission vehicles? home deliveries: Significant growth in pallet network HGVs required at some stage of the process e.g to/from railhead, last leg of journey. rest and welfare facilities for hauliers are there opportunities for the region to be a 'test bed' for transport solutions to support/encourage businesses independence could bring similar uncertainties (positive/negative) as Brexit dualling of the A9 has potential to be a generator of trips. concern re electric vehicles (safety for cyclists / does not eliminate all pollution) the problems of integrating modes and the ability of people to travel the 'last mile' impact of trunk road traffic on communities the role of the RTS to support and inform land use planning

- 3.7 The engagement process opened many doors, and useful suggestions regarding who could help inform development of the strategy. Accordingly, it is proposed that the approved approach to engagement (report RTP/21/09 refers) be complemented by ongoing discussions with stakeholders regarding how and when they can best provide input. For example:
 - Involvement with partner processes that can inform the RTS, for example working with Scottish Enterprise, Abertay University, Stirling Business Ambassadors Programme to engage further with businesses on issues such as:
 - Existing transport problems for businesses
 - Challenges for businesses moving to net zero
 - Future of workplaces
 - Future transport demands from businesses
 - Energy and digital requirements to support future transport demands
 - Developing processes with the councils to engage young people in the process

Objective and Outcome Setting

- 3.8 A key purpose of understanding the main issues is to inform the objective setting stage of the exercise. The purpose of the objectives themselves being to shape the RTS. This includes using the objectives to help evaluate the options that can help achieve the objectives.
- 3.9 To inform the objective setting, members are asked to consider
 - the main issues that have been highlighted, both in the Main Issues report and during the Main Issues engagement.
 - the need for objectives to be SMART:
 - o specific & significant: Prioritise the most significant issues
 - measurable & meaningful: Be obtainable and able to measure what's been achieved
 - o achievable & agreed: Be linked to your corporate/ strategic aims
 - realistic & relevant: Be something you can do within your remit and resources
 - time based & trackable
- 3.10 Scotland's second National Transport Strategy (NTS2) has adopted four priorities:
 - Reducing inequalities
 - Taking climate action
 - Helping deliver inclusive economic growth
 - Improving health and wellbeing

3.11 Figure 1 below summarises the main issues and maps the NTS2 priorities against them. Further detail behind the headlines included in Figure 1 are included in Table B1 in Appendix B.



3.12 Considering the necessity for objectives to align with the issues identified, Members are asked to consider whether the four NTS2 priorities would serve the purpose of overarching objectives for the RTS.

3.13 Nonetheless, it is acknowledged that as they stand, the four NTS2 priorities are not SMART. It is proposed that this requirement can be achieved by a suite of outcomes nestled under these objectives which themselves can be SMARTened to make specific reference to where the Partnership consider policies/interventions need to be prioritised. Table 4 proposes a suite of draft outcomes. Table B2 in Appendix B provides further detail, giving examples of where progress against these outcomes should be targeted to address the issues identified in the Main Issues.

TABLE 4: DRAFT OUTCOMES		
Draft Objectives	Draft Outcomes ¹	
To reduce inequalities	Improved ability for young and vulnerable to access jobs education and services	
To take climate action	Reduced greenhouse gas emissions	
	Modal shift from motor vehicles	
	Reduced car mileage	
To helping deliver	Reliable inter and intra-regional journey times	
inclusive economic growth	Improved ability for young and disadvantaged communities to access jobs, education and training	
To improve health and	Reduced fatalities / injuries	
wellbeing	Improved air quality	
	Improved ability for old and disadvantaged communities to access healthcare	
	Increased levels of active travel	

¹ For examples of who is 'young and vulnerable'; where we want to improve 'journey times'; who are the 'disadvantaged communities' etc please see Appendix B. Who and where we identify as priorities for action will be developed further in workshop sessions with officers and members.

- 3.14 Members are asked to consider whether these draft outcomes, along with the objectives, provide an appropriate framework for shaping the RTS and progressing the next stage of RTS development.
- 3.15 A workshop session will be held at the Partnership meeting to discuss the draft objectives and outcomes.

Impact Assessment outcome setting

- 3.16 Members will be aware of the legislative requirements and best practice to conduct appropriate impact assessments during the course of developing a Regional Transport Strategy. The Partnership meeting of 16 June 2021 (report RTP/21/15 refers) noted the approach to combine impact assessments processes in terms of assessing the RTS's impact on:
 - People Equality and Human Rights Assessment; Health Inequalities Impact Assessment; Fairer Scotland Duty; Child Rights and Wellbeing Assessment
 - Place Strategic Environmental Assessment

- 3.17 During the Main Issues engagement, Tactran consulted on the <u>potential issues</u> of the RTS on people and place to inform the impact assessment frameworks to be developed. Specific responses were not received on this element of the engagement. However:
 - Responses on the main issues did reflect on the impact on transport and travel on older people; carers; people with hearing difficulties; people with hidden mobility difficulties; people with limited mobility and the implications of pavement parking
 - input was sought and received from the Equality and Human Rights Commission
- 3.18 The next stage of the impact assessment process is to identify the outcomes to help inform the assessment of options identified. Appendix C includes the identified impacts of transport and travel on people and place and maps these against proposed objectives/outcomes. Table 5 below summarises the proposed outcomes to assess the RTS's impacts on people and place.

TABLE 5: OUTCO	MES TO ASSESS THE IMPACTS OF THE RTS ON PEOPLE AND PLACE	
Assessing the impacts of the RTS on People		
Issue	Proposed Outcome	
Accessibility	 Improved ability to access work for Young people 16-24 Disabled people Women / part-time employment opportunities Ethnic minorities Improved ability of over 65s and disabled people to access healthcare Improved ability of older and disabled people to take advantage of digital solutions Reducing the barriers for people with mobility difficulties 	
Cost	 'Affordable' travel costs for: Disabled people Non-white ethnic groups Lone mothers Young people 	
Safety and security	Disabled people, women, minority ethnic people, younger people and older people report feeling safe and confident using public transport	
Health	 Improve the ability of over 65s and disabled people to access healthcare Improved ability of all in the lowest 20% of SIMD datazones ranked by health to access healthcare Improved ability of rural communities to access healthcare 	

TABLE 5: OUTCO	MES TO ASSESS THE IMPACTS OF THE RTS ON PEOPLE AND PLACE	
	Improved levels of walking and cycling in the lowest 20% of SIMD datazones ranked by health	
	Reduced incidence and severity of accidents involving young males / vulnerable users	
	Reduced impact of pollution, noise, safety and severance on disadvantaged communities in the (lowest 20% of SIMD datazones)	
Assessing the	impacts of the RTS on Place	
Issue	Proposed Outcomes	
Biodiversity, flora & fauna	Protecting, maintaining and enhancing biodiversity and ecosystem services, avoiding damage to or loss of designated and undesignated wildlife sites and protected species	
Landscape	Safeguarding and enhancing the character and diversity of the landscape and areas of valuable landscape	
Cultural Heritage	Protecting and enhancing historic and archaeological sites and other culturally and historically important features, landscapes and their settings.	
Climate change	 Reduced greenhouse gas emissions from transport Adapting the transport network to the predicted effects of climate change 	
Air quality, noise, population human health	 Reduced all forms of transport related air pollution and improve air quality Reduced noise and vibration associated with the transport network Improved safety on the transport network Improved quality of life and human health by promoting active lifestyles and increasing sustainable access for all to essential services (including healthcare), employment and the natural environment Promoting, investing in, building and maintaining infrastructure 	
	to support the development of high quality places	
Population	Improved quality of life and human health by increasing sustainable access for all to essential services (including healthcare), employment and the natural environment (To be covered in greater detail in the People Impact Assessment)	
Geology and Soil	 Safeguarding and improving soil quality, particularly high value agricultural land and carbon rich soil. Protecting sites designated for their geological interest. 	
Water	 Protecting sites designated for their geological interest. Protecting, maintaining and improving the quality of all water bodies and wetlands that could be directly or indirectly affected by transport infrastructure and protect against the risk of flooding 	
Material Assets	Promoting and improving the sustainable use and management of the transport network	

TABLE 5: OUTCO	MES TO ASSESS THE IMPACTS OF THE RTS ON PEOPLE AND PLACE
	Reduced the use of natural resources

Next steps

- 3.19 **Main Issues Report**: the main issues report will be updated to reflect the issues raised during the consultation exercise. A progress update will be sent to stakeholders and members of the public who have requested updates.
- 3.20 **Refining outcomes**: The draft outcomes (see Appendix B) will be refined with Council officers to help inform identification and assessment of options.
- 3.21 **Impact Assessments:** A Strategic Environmental Assessment (SEA) scoping report will be prepared and submitted to the SEA gateway. An impact assessment framework will be developed to inform the assessment of options on people and place.
- 3.22 Identification of policy and intervention options: The next key stage of RTS development will be to identify and consult on the policy and intervention options required to deliver the RTS. An initial list will be developed with Council officers, building on the work officers and members will have recently undertaken in respect to Transport Scotland's second Strategic Transport Projects Review (STPR2). A workshop session will then be held for members of the Partnership Board to provide input to this options generation stage. This work will also be informed by the suggested solutions that were included in the main issues engagement.
- 3.23 As part of this process, options will be considered against
 - the RTS objectives and outcomes
 - Impact assessment framework
 - Transport Scotland's 'Scottish Transport Appraisal Guidance' criteria
 - Mode hierarchy and Investment hierarchy included in the National Transport Strategy
- 3.24 The intention is to present a set of options (policy and interventions) to the December meeting of the Partnership Board and seek permission to consult on these options in early 2022.

4 CONSULTATIONS

4.1 This report has been prepared in consultation with the Local Authority transport officers.

5 RESOURCE IMPLICATIONS

5.1 Tactran will look to bring in additional resources where possible and it will be important to have assistance from Local Authority officers at critical times throughout the process.

6 EQUALITIES IMPLICATIONS

- 6.1 This report has been screened for any policy implications in respect of Equality Impact Assessment and no major issues have been identified. The process of developing a RTS will include the following impact assessments:
 - Equality and Human Rights Impact Assessment
 - Fairer Scotland Duty Assessment
 - Children's Rights Impact Assessment
 - Health Inequalities Impact Assessment

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NOTE

The following background papers, as defined by Section 50D of the Local Government (Scotland) Act 1973 (and not containing confidential or exempt information) were relied on to a material extent in preparing the above Report:

Report to Partnership RTP/15/19, Refresh of Regional Transport Strategy, 16 June 2015

Report to Partnership RTP/20/32, A New Regional Transport Strategy for the Tactran Region, 15 September 2020

Report to Partnership RTP/20/45, A New Regional Transport Strategy: Main Issues Report Update, 15 December 2020

Report to Partnership RTP/21/09, A New Regional Transport Strategy: Main Issues Report and Consultation Strategy, 16 March 2021

Report to Partnership RTP/21/15, A New Regional Transport Strategy: Update, 15 June 2021

Draft Objectives and Outcome Setting

Figure: B1. Draft Objectives

Social, economic and environmental Problems, issues and constraints in the region Draft priorities **Objectives** Climate Change Plan Carbon emissions from transport in the region informed by Vehicular mode share Phase out the need for petrol and diesel cars and vans in Scotland by 2030 Approximately 50%-70%¹ of work trips in the region are made by car Reduce car kilometres by 20% by 2030 Leisure trips into rural areas predominately made by car (e.g. into LLTNPA / Rural Perthshire / Angus Glens) Public transport often not competitive with the car for strategic trips (esp Perth-Edinburgh) Road freight mode share² Low % of trips made by low emission vehicles (personal/freight) To take Rural nature of much of the area: length of trips and available 'sustainable' climate alternatives for the 37% of the population living in remote and rural areas3. % of trips action over 5km PKC 44%; Angus 36%; Stirling 33%; Dundee 19%4 Clean Air for Scotland Low Emission Zone declared in Dundee and Air Quality Management Areas declared in Perth and Crieff Meet national emissions ceiling directives National Planning Framework 4 Angus, Perth & Kinross and Stirling have higher CO2 transport emissions per capital (2.0; 3.7; 2.8 ktCO2) than the Scottish average(1.8) ⁵ A plan for net zero emissions Impact of trunk and strategic road traffic on communities (severance / noise / · A plan for resilient communities air quality / safety)(communities on A82/A84/A85/A811/A93) A plan for wellbeing economy • A plan for better, greener places To improve health and **Public Health Priorities** Communities with the lowest 20% of SIMD datazones ranked by health wellbeing (Dundee 37%; Stirling 11%; PKC 3%; Angus 2%)⁶ for Scotland Road safety (actual and perception): A Scotland where we: live in vibrant, healthy and safe places vulnerable groups and communities o routes: A9 / A84 / A90 / A92 / A811 /A93 / A972 have good mental wellbeing Access to health services⁷: have a sustainable, inclusive economy households without a car are more than 60mins drive from a hospital with equality of outcomes for all (Angus 81% / Stirling 19% / PKC 13%) 65+ yr olds with no public transport to primary health care (PKC 11%; eat well, have a healthy weight and are Stirling 10%; Angus 10%) physically active Adults not walking as a means of transport in previous 7days (Angus 37%; Dundee 18%; PKC 37%; Stirling 25%)8 To Reduce inequalities Fairer Scotland Action Plan Availability and cost of transport A Fairer Scotland For All The availability of transport options: e.g. 10%-15% 16-25yr olds in the region **Ending Child Poverty** have no public transport access to further education⁷ Fairer Working Lives Over 65's more than 60mins to retail by public transport (PKC 42%; Angus A Thriving Third Age 17%; Stirling 12%; Dundee 11%)⁷ Transport poverty: e.g. 33%-54% of the Angus, Perth and Kinross & Stirling datazones are at risk of Transport Poverty9. The ability of people with mobility difficulties to use our transport networks people with a long term health problem or disability which limits them a lot (Dundee 10.5%; 8% angus, PKC and Stirling)¹⁰ To help deliver inclusive **Economic Strategy** Journey time / reliability for business (to markets / labour markets) affected by: economic stimulating inclusive growth pinch points / network resilience (Craigforth / Keir / Broxden / Inveralmond / growth Swallow / Kingsway) creating opportunity lack of transport choices **Growth locations**(see Main Issues Report) Growth sectors: • Tourism & Culture; Food & Drink; Engineering & Manufacturing; Energy (including Renewables, Offshore Wind, Oil & Gas Decommissioning); Digital & Creative Industries; Biomedical, Life Sciences and MedTech; Construction Availability and cost of travel: no car households with 60mins of 3 employment sites (Angus 43%; PKC 33%; Stirling 17%; Dundee 4%)7

¹ Census and Transport and Travel in Scotland

² Scottish Transport Statistics

³ Scottish Government Urban Rural Classification 2013-2014

⁴ Transport and Travel in Scotland ⁵ <u>UK local authority and regional carbon dioxide emissions national statistics: 2005 to 2019</u>

⁶ SIMD

⁷ <u>Tactran TRACC Accessibility Modelling</u> NB pre Covid data ⁸ Transport and Travel in Scotland

⁹ TayCities and Forth Valley STPR2 Case for Change Reports

¹⁰ 2011 Census

Table B2. Draft Outcomes

Draft Objectives	Draft Outcomes	Outcome indicators: Where do we want to make progress against the issues identified? (examples)	
inequalities vulnerable to access jobs		Ability ¹ of 16-24 year olds to access further education and employment Ability of all in the bottom 20% of SIMD datazones to access jobs, education and services	
	oddddion and odrylodd	Ability of young parents in the bottom 20% of SIMD datazones to access jobs, education and services	
		Ability of rural communities to access jobs, education and services	
		Ability of people with mobility difficulties to access jobs, education and services	
		Perception of safety and security of vulnerable ² and protected characteristic groups walking / on public transport	
To take	Reduced greenhouse gas	EV and low emission vehicle use	
climate action	emissions	Estimated CO ² emissions from transport	
	Modal shift	Personal mode share:	
		- Travel to work	
		- School travel	
		- Travel into centres ³	
		Freight carried by road / rail / sea / air	
	Reduced car mile-age	Monitored routes (see https://roadtraffic.dft.gov.uk/regions/3)	
To help deliver inclusive economic Reliable inter and intra-regional journey times		Journey time and journey time reliability on strategic road ⁴ and rail routes to key destinations ⁵ (e.g. major centres and economic locations / air and sea ports)	
growth	Improved ability for young and	Ability of all 16-24 year olds to access further education and employment	
	disadvantaged communities to access jobs, education and training	Ability of all in the bottom 20% of SIMD datazones ranked by all indicators to access further education and employment	
training		Ability of young parents in the bottom 20% of SIMD datazones ranked by all indicators to access further education and employment	
		Ability of rural communities ⁶ to access further education and employment	
To improve	Reduced fatalities / injuries	Communities ⁷ on strategic routes (e.g. A84/A811/A93)	
health and wellbeing		Vulnerable users (pedestrians and cyclists)	
-	Improved Air Quality	Declared air quality problems: (Crieff / Dundee / Perth)	
	Improved ability for old and disadvantaged communities to access healthcare	Ability of over 65s to access healthcare (Primary health care /Hospitals)	
		Ability of all in the lowest 20% of SIMD datazones ranked by health to access healthcare	
		Ability of rural communities to access healthcare	
	Increased levels of active travel	Levels of walking and cycling in the lowest 20% of SIMD datazones ranked by health	

Notes: The next stage of this process will be to work with officers and members to confirm the outcome indicators by defining where we want to make progress against the outcomes. This includes defining:

- 1 ability = access to travel options / awareness of travel options / cost
- 2. "Vulnerable" people to be determined
- 3. Centres where we want to monitor modal shift to be identified
- 4. Strategic road and rail routes where improvements in journey time and journey time reliability to be identified
- 5. Key destinations (major centres and economic locations / air and sea ports)
- 6. "Rural communities": to be determined whether to define by SIMD access domain or Scottish Government <u>Urban Rural classification</u>
- 7. Communities on strategic routes which are adversely impacted by air quality / noise / severance / perceived and actual safety to be identified

Impact Assessment Outcomes

Table C1.1: Impact on People: Draft Outcomes	
Potential Impacts	Draft Outcomes
Accessibility (access to and ability to use transport services)	
 Impacts on multiple groups Women, younger people, disabled people and older people in rural areas more impacted by affordability and accessibility of transport.(EHRC) With reduced public transport during the pandemic, disabled people, Asian people and young people may be more negatively affected as they are much less likely to have a driving licence or drive.(EHRC) Adults (18-64) supporting either younger or older relatives: Due to work, likely to be constrained with regard to travel times / opportunities Elderly Access to essential services and social network may be reduced if elderly people lose the ability to drive, and public transport options are limited Access to digital services Older and disabled people are less likely to have access to digital services. Older adults are among those most at risk of digital exclusion with effects in health and work in years to come (Urban Big Data Centre, 2020). Young Adults Young people aged 16-24 have the highest rate of unemployment and the pandemic has had significant impact on employment for young people.(EHRC) Young people (up to the age of 15) are restricted in locations they can access, subject to: 	 Improved ability to access work for Young people 16-24 Disabled people Women / part-time employment opportunities Ethnic minorities Improved ability of over 65s and disabled people to access healthcare Improved ability of older and disabled people to take advantage of digital solutions Reducing the barriers for people with mobility difficulties: information and assistance they need to access public transport physical barriers

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Table C1.1: Impact on People: Draft Outcomes Potential Impacts	Draft Outcomes
 lifts availability of public transport and cost¹ ability to walk or cycle to destinations Disabled people Disabled people find it difficult to access public transport because of issues around: affordability, safety, comfort, availability, connectivity, information and assistance, staff training and customer service (Transport Accessibility Summit 2015) Disabled people may have a physical or mental impairment that affects their ability to carry out normal day-to-day activities, including mobility, continence, speech, hearing, eyesight (including colour blindness), memory, ability to learn/understand, and ability to lift objects. As a result disabled people may require wheelchair access, or communication support such as induction loops, large print text, switches at accessible heights, interpreters etc. People with a long-term mental or physical impairment may find it more difficult to access services via public transport or walking. There are barriers for disabled people getting to medical and healthcare services with 98% having experiences a problem booking or getting transport (NTS 2) Disabled people are more likely to live in poverty and are not getting the support they need to live independently (EHRC) Deaf people require visual aids. Women Women have more limited access to cars than men Fewer women than men have driving licences 	

¹ Free travel for under 21's on public transport will be introduced by the Scottish Government in January 2022 31/08/2021 17:01

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Table C1.1: Impact on People: Draft Outcomes	
Potential Impacts	Draft Outcomes
 Women are more likely to take multi-stop, multi-purpose trips (NTS2) Women's journeys are more likely to involve a range of different forms of transport, whereas men's journeys often involve only cars Women are more likely than men to travel by public transport, as car passengers and on foot 	
 Women make more journeys using public transport with children or otherwise 'encumbered' 	
Race	
 Language may be a barrier to accessing travel and transport information and use of public transport. 	
Socio-economic status. Inequalities may be created or exacerbated by the inability to access to employment, education, training and services. This may be as a result of:	
 Awareness of transport options (including limiting travel horizons) Availability of transport options (public transport or personal transport) Availability of, and ability to use, technology to maximise awareness of and access to transport services / availability and cost of broadband 	
 Ability to afford low emission vehicles, including space and cost to, e.g. install electric vehicle charging infrastructure 	
Severance caused by transport infrastructure	
Cost	
Impacts on multiple groups	'Affordable' travel costs for:
 Young people, disabled people, black people, those in the non-white group and women are more likely to work in low-pay occupations 	Disabled peopleNon-white ethnic groupsLone mothers

Table C1.1: Impact on People: Draft Outcomes	
Potential Impacts	Draft Outcomes
 The groups most likely to be affected by the expected rise in poverty caused by the pandemic include young people, ethnic minorities and disabled people, who are already closest to the poverty line. 	Young people
 Women, younger people, disabled people and older people in rural areas more impacted by affordability and accessibility of transport. 	
Young adults (18-24)	
 Higher proportions of employees aged 18-24 earn below the living wage, compared to older age groups.(EHRC) 	
<u>Women</u>	
 During the pandemic there has been a reduction in employment for part-time employees, which has had a particular impact on women. Relative poverty after housing costs is higher for lone mothers than single working age adults. 	
Race	
 People from non-white ethnic groups are more likely to live in poverty / Ethnic minorities (especially women) are more likely to be in low paid work.(EHRC) 	
Religion / Belief	
There is the potential for hate crimes to impact on this group	
 Socio-economic status. Inequalities may be created or exacerbated by the inability to access to employment, education, training and services. This may be as a result of: Cost of travel (including limiting travel horizons) and reduced inability to 'invest' in more cost effective solutions Transport poverty 	
 Pricing mechanisms to promote modal shift and low emission vehicles Ability to afford low emission vehicles, including space and cost to, e.g. install electric vehicle charging infrastructure 	

Potential Impacts	Draft Outcomes
Safety and security	
 Impacts on multiple groups Women and disabled people were more likely to be very or fairly concerned about keeping 1m distance on public transport (SG public attitudes survey during COVID-19).(EHRC) 	Disabled people, women, minority ethnic people, younger people and older people report feeling safe and confident using public transport
Disabled People	
 Disabled people are more likely to experience crime and less likely to feel safe walking alone in their neighbourhood after dark (EHRC) 	
 People with mental health support needs are reliant on public transport for making journeys. Key difficulties experienced by people in this group in relation to travel are confidence issues and affordability. Routine and planning are important in people's confidence to travel, also choice of mode, having a travel companion, and the attitudes of transport staff; Learning Disability: There is the potential for hate crimes to impact on this group 	
Shared surfaces create issues of safety and concern for people with visual impairment	
Women	
 Women were more likely to have concerns around personal safety when travelling (NTS 2) especially after dark Women are more likely to experience sexual harassment 	
Transgender / Gender Reassignment	
 Transgender people typically report poor experiences with services, primarily related to attitudes of and assumptions made by staff. They experience high levels of discrimination with direct impacts on mental health 	
There is a potential for hate crimes to impact on these groups	

Table C1.1: Impact on People: Draft Outcomes	
Potential Impacts	Draft Outcomes
Sexual orientation:	
 Lesbian, gay and bisexual (LGB) people often experience significant mental and physical health problems related to homophobia, heterosexism and social exclusion. 	
There is a potential for hate crimes to impact on this group	
Health	
 Groups unable to access healthcare for reasons listed above Groups unwilling to travel actively due to reasons listed above Elderly and disabled people are more likely to require to access healthcare Young males are more likely to be involved in road traffic accidents The severity of an injury to vulnerable users (pedestrians/cyclists) in a road traffic accident is likely to be greater than those in a vehicle The adverse impacts of transport (air and noise pollution, road accidents) are more likely to be felt in more deprived areas, contributing to social disadvantage 	 Improve the ability of over 65s and disabled people to access healthcare Improved ability of all in the lowest 20% of SIMD datazones ranked by health to access healthcare Improved ability of rural communities to access healthcare Improved levels of walking and cycling in the lowest 20% of SIMD datazones ranked by health
	 Reduced incidence and severity of accidents involving young males / vulnerable users Reduced impact of pollution, noise, safety and severance on disadvantaged communities in the (lowest 20% of SIMD datazones)

Table C1.2 Evidence to inform assessment of the impact of trans	port and trave	el on people			
2011 Census	Angus	Dundee	Perth and	Stirling	Scotland
% except where stated			Kinross		
Population (total number)	115,978	147,268	146,652	90,247	5,295,403
Females	51.5	52	51.3	52.1	51.5
Under 16	17.5	16.1	17.2	17.7	17.3
16-29	15.1	24.6	15.3	19.4	18.5
65 and over	19.9	16.7	20.2	17.2	16.8
One family only: Lone parent: With dependent children	6.1	8.9	5.7	6.1	7.2
One person household - Aged 65 or over	14.4	14.2	14.5	13	13.1
No car or van	23.5	41.8	21.1	22.3	30.5
Asian, Asian Scottish or Asian British	0.8	4	1.3	2.3	2.7
Other ethnic groups ²	0.5	4	0.8	0.9	1.3
Muslim	0.3	2.6	0.5	0.6	1.4
Does not speak English well / Does not speak English at all	1.2	1.7	1.4	1.2	1.4
Long-term health problem or disability: Limited a lot	8.4	10.5	7.8	8.1	9.6
Long-term health problem or disability: Limited a little	10.5	10.4	10.3	9.4	10.1
Carers (total number)	10,582	13,072	13,308	8,625	492,231
Provision of unpaid care: Providing 1 to 19 hours of care a week	5.2	4.6	5.5	5.4	5.2
Provision of unpaid care: providing over 20hrs of care a week	3.9	4.2	3.5	3.7	4.2
Long-term health condition: With deafness or partial hearing loss	7.5	6.7	7.2	6.6	6.6
Long-term health condition: With blindness or partial sight loss	2.5	2.4	2.4	2.2	2.4
Long-term health condition: With learning disability (for example, Down's Syndrome)	0.5	0.6	0.5	0.4	0.5

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² i.e. not white Scottish, other British, Irish, Polish

<u>2011 Census</u>	Angus	Dundee	Perth and	Stirling	Scotland
% except where stated			Kinross		
Long-term health condition: With learning difficulty (for example, dyslexia)	1.8	2.4	2.2	2.1	2
Long-term health condition: With developmental disorder (for example, Autistic Spectrum Disorder, Asperger's Syndrome)	0.5	0.8	0.6	0.5	0.6
Long-term health condition: With physical disability	6.5	7.2	5.9	6.1	6.7
All persons 16-74 (total number)	84,940	111319	107 546	67240	3,970,530
Employees- part-time	14.3	12.6	14.3	12.6	13.3
Unemployed	4.2	5.7	3.3	3.9	4.8
16-24yr olds unemployed	32.4	29.8	32	31.2	30.2
Student	3.7	10.1	3.5	7.6	5.5
Retired	18.1	14.2	17.2	15.1	14.9
SIMD: Local share of 20% most deprived (all domains)	7.74	37.23	5.91	12.4	n/a
SIMD: Local share of 10% most deprived (all domains)	1.29	23.94	1.61	5.79	n/a
SIMD: Local share of 20% most deprived (health domain)	1.94	37.23	3.23	10.74	n/a
SIMD: Local share of 10% most deprived (health domain)	0.65	21.28	0.54	2.48	n/a
SIMD: Local share of 20% most deprived (access domain)	31.61	4.79	36.02	28.93	n/a
SIMD: Local share of 10% most deprived (access domain)	20.65	1.06	20.43	18.18	n/a

Table C2.1 Impact	on Place: Draft Outcomes	
Place		Draft Outcomes
Biodiversity, flora & fauna	 Impact of existing and proposed on transport networks: Potential disturbance to and loss of biodiversity from development of transport infrastructure Continuing need to protect internationally, nationally and locally designated sites, and enhance where possible. Decrease and/or fragmentation of seminatural habitats. Potential impacts on protected and non protected species from development. Potential loss of green space, green linkages and wildlife corridors to developments. Proximity of strategic transport routes to protected areas 	Protecting, maintaining and enhancing biodiversity and ecosystem services, avoiding damage to or loss of designated and undesignated wildlife sites and protected species
Landscape	Potential removal or introduction of new visual elements into the landscape e.g. new carriageway or public transport infrastructure.	Safeguarding and enhancing the character and diversity of the landscape and areas of valuable landscape
Cultural Heritage	 Potential disturbance to and loss or severance of features of cultural heritage importance. Potential for increased visual intrusion, affecting the setting of a listed building, scheduled monument or conservation area; Potential for increase in noise, vibration and disturbance which may affect both physical structure and enjoyment of sites by the public 	Protecting and enhancing historic and archaeological sites and other culturally and historically important features, landscapes and their settings.
Climate change	 Increases in greenhouse gas emissions from the transport network. Need to support Government targets to decarbonise the transport sector: Need to promote sustainable forms of travel Need to support sustainable land use patterns 	 Reduced greenhouse gas emissions from transport Adapting the transport network to the predicted effects of climate change

Place	on Place: Draft Outcomes	Draft Outcomes
	The need for transport networks to adapt to predicted climate change and its potential impacts (e.g. extreme weather events and sea level rises)	
Air quality, noise, population human health	 Levels of NO2 and PM10 increasing and resulting in poorer air quality, particularly in low emission zones and air quality management areas, as a result of road transport Increasing obesity and cardio-vascular diseases Increasing inequalities lead to poorer health outcomes Access to healthcare as a result of decreasing transport options/costs Increases in noise through rising traffic levels Accident levels remain low overall, nonetheless all authorities strive to minimise accidents 	 Reduced all forms of transport related air pollution and improve air quality Reduced noise and vibration associated with the transport network Improved safety on the transport network Improved quality of life and human health by promoting active lifestyles and increasing sustainable access for all to essential services (including healthcare), employment and the natural environment Promoting, investing in, building and maintaining infrastructure to support the development of high quality places
Population	Changing demographics – ageing population. This will impact on the provision of transport services as more people become eligible for free concessionary travel and also for the provision of more accessible infrastructure.	Improved quality of life and human health by increasing sustainable access for all to essential services (including healthcare), employment and the natural environment (To be covered in greater detail in the People Impact Assessment)
Geology and Soil	 Loss of land to the development of transport infrastructure Contaminated land and its impacts on land use and soil quality. Need to prevent future land contamination. Loss of soil organic matter and soil sealing by impermeable surfaces associated with buildings and roads. Loss of soil 	 Safeguarding and improving soil quality, particularly high value agricultural land and carbon rich soil. Protecting sites designated for their geological interest.

Table C2.1 Impac	et on Place: Draft Outcomes	
Place		Draft Outcomes
	 organic matter (which acts as a carbon store) will result in increased carbon dioxide emissions. The need to protect sites designated for their geological interest 	
Water	 Water bodies in close proximity to main roads are at risk from pollution caused by the impacts of contaminated surface water run-off from roads. Construction of new transport links adjacent to water bodies has the potential to disrupt water ecosystems or pollute during both the construction and operation stages. The need to locate new transport infrastructure away from areas of flood risk, and for such infrastructure to be resilient to flooding (and adverse weather more widely). 	Protecting, maintaining and improving the quality of all water bodies and wetlands that could be directly or indirectly affected by transport infrastructure and protect against the risk of flooding
Material Assets	 Capacity and use of the existing road and rail infrastructure Quality and maintenance of the existing road (inc footway) and rail infrastructure as well as other types of transport infrastructure including car parks and bus infrastructure. 	 Promoting and improving the sustainable use and management of the transport network Reduced the use of natural resources

Table C2.2 E	Table C2.2 Evidence to inform assessment of the impact of transport and travel on place		
Issue	Proposed Outcomes	Sources of information to define areas for consideration	
Biodiversity, flora & fauna	Protecting, maintaining and enhancing biodiversity and ecosystem services, avoiding damage to or loss of designated and undesignated wildlife sites and protected species	Local Nature Reserves Marine Protected Areas Nature Conservation Orders Sites of Special Scientific Interest Special Area of Conservation (Scotland)	

Issue	Proposed Outcomes	Sources of information to define areas for consideration
		Special Protection Areas Scotland
		Tree preservation orders
		Wetlands of International Importance (Ramsar)
		Wild Land Areas 2014
		Zones of natural heritage sensitivity
Landscape	Safeguarding and enhancing the character and diversity of	National Scenic Areas
	the landscape and areas of valuable landscape	Natural Heritage Future Zones
Cultural	Protecting and enhancing historic and archaeological sites	Scheduled monuments
Heritage	and other culturally and historically important features,	Battlefields Inventory Boundaries
	landscapes and their settings.	Conservation areas
		Listed Buildings / Listed Buildings boundaries
		Special Area of Conservation (Scotland)
		Gardens and designed landscapes
Climate	Reducing greenhouse gas emissions from transport	UK local authority and regional carbon dioxide emissions
change	Adapting the transport network to the predicted effects of	national statistics: 2005 to 2019
	climate change	
Air quality,	Reducing all forms of transport related air pollution and	Air Monitoring Sites
noise,	improve air quality	Air Quality Classification
population human	Reducing noise and vibration associated with the transport	Scotland's Noise
health	network	Road Safety Data
	Improving safety on the transport network	Levels of active travel
	 Improving quality of life and human health by promoting active lifestyles and increasing sustainable access for all to essential services (including healthcare), employment and the natural environment 	access to essential services via public transport (Tracc accessibility data)

Issue	Proposed Outcomes	Sources of information to define areas for consideration
	Promoting, investing in, building and maintaining infrastructure to support the development of high quality places	
Population	 Improving quality of life and human health by increasing sustainable access for all to essential services (including healthcare), employment and the natural environment 	access to essential services via public transport (Tracc accessibility data)
Geology and Soil	 Safeguarding and improving soil quality, particularly high value agricultural land and carbon rich soil. Protecting sites designated for their geological interest. 	National Scale Land Capability for Agriculture 1:250 000 National Soil Map of Scotland and NSIS Potential for crop production Carbon and Peatland 2016 Profile soil Geological Conservation Review Sites
Water	Protecting, maintaining and improving the quality of all water bodies and wetlands that could be directly or indirectly affected by transport infrastructure and protect against the risk of flooding	Baseline Confluence Inter Catchments / Baseline Confluences Nested Catchments / Baseline Water Body Inter Catchments Drinking Water Protected Areas (Ground) / Drinking water Protected Areas (Surface) Estuaries classification Main river and coastal catchments River Basin Districts River Classifications River and loch waterbody nested catchments Stream water Water Regulation Zones Wetlands of International Importance (Ramsar)

Issue	Proposed Outcomes	Sources of information to define areas for consideration
Material Assets	 Promoting and improving the sustainable use and management of the transport network Reducing the use of natural resources 	