

# Levenmouth Sustainable Transport Study

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Initial Appraisal: Case for Change  
30 November 2018



# Welcome and Introduction

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# Agenda

- Welcome and Introduction
- Study Recap
- Presentation on Emerging Findings:
  - Problems and Opportunities
  - Transport Planning Objectives
  - Option Generation
- Recommendations and Next Steps
- Q&A
- Concluding Remarks

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# Study Recap

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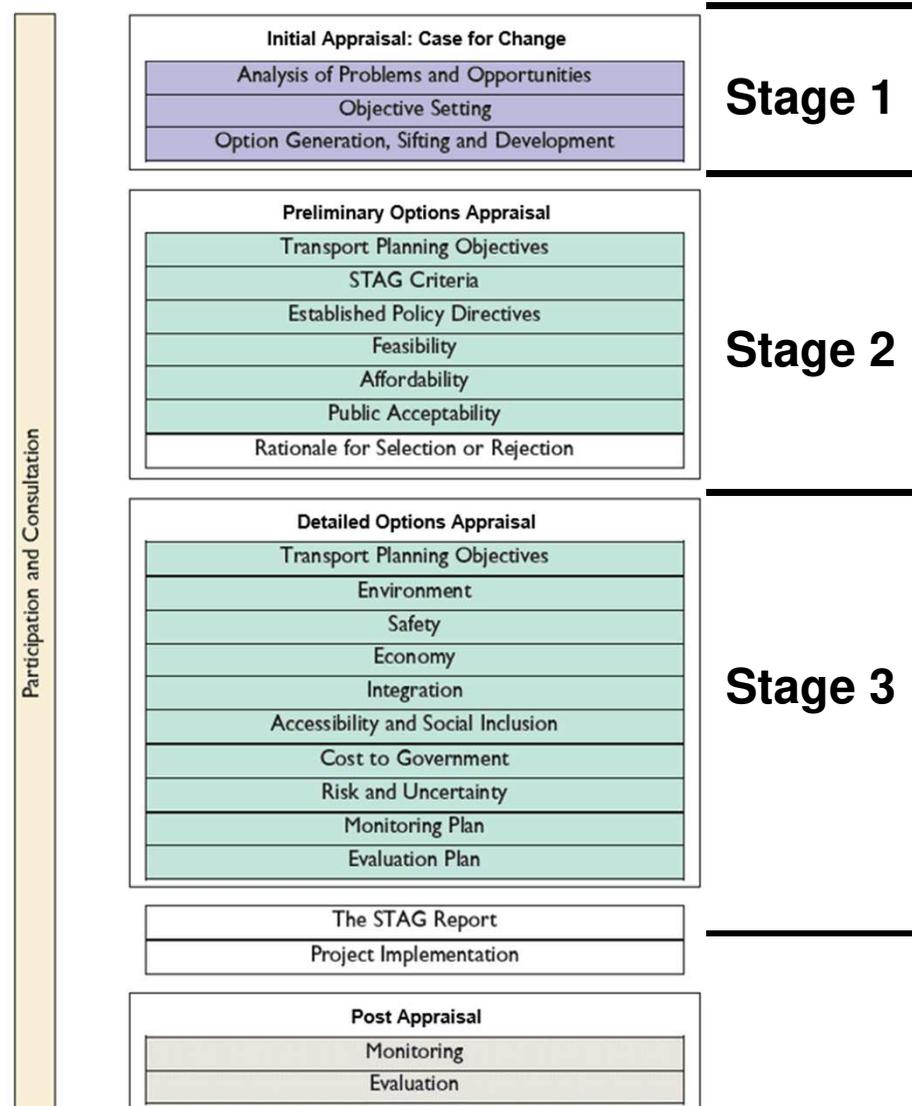
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# Details of the Study

- 2016 study undertaken
- 2018 PBA brief is to build on what went before
  1. Improve evidence gathering
  2. Fill in gaps
  3. Align identified problems and opportunities with Transport Planning Objectives (TPOs)
  4. Progress the study to completion



# Initial Appraisal: Case for Change Methodology

1. Data Collection and Collation
2. Stakeholder Engagement
3. Analysis of Problems and Opportunities
4. Objective Setting
5. Option Generation
6. Reporting

# Stakeholder Engagement Summary

- **Stakeholder Engagement**
  - Workshops held in Leven during April 2018
  - Structured Telephone Interviews
  - Face-to-face meetings
  - Business survey
    - 44 [~20%] responses between July and August 2018
- **Wider Public Engagement**
  - Public Survey
    - 830 [~2-3%] responses during June 2018

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# Emerging Findings

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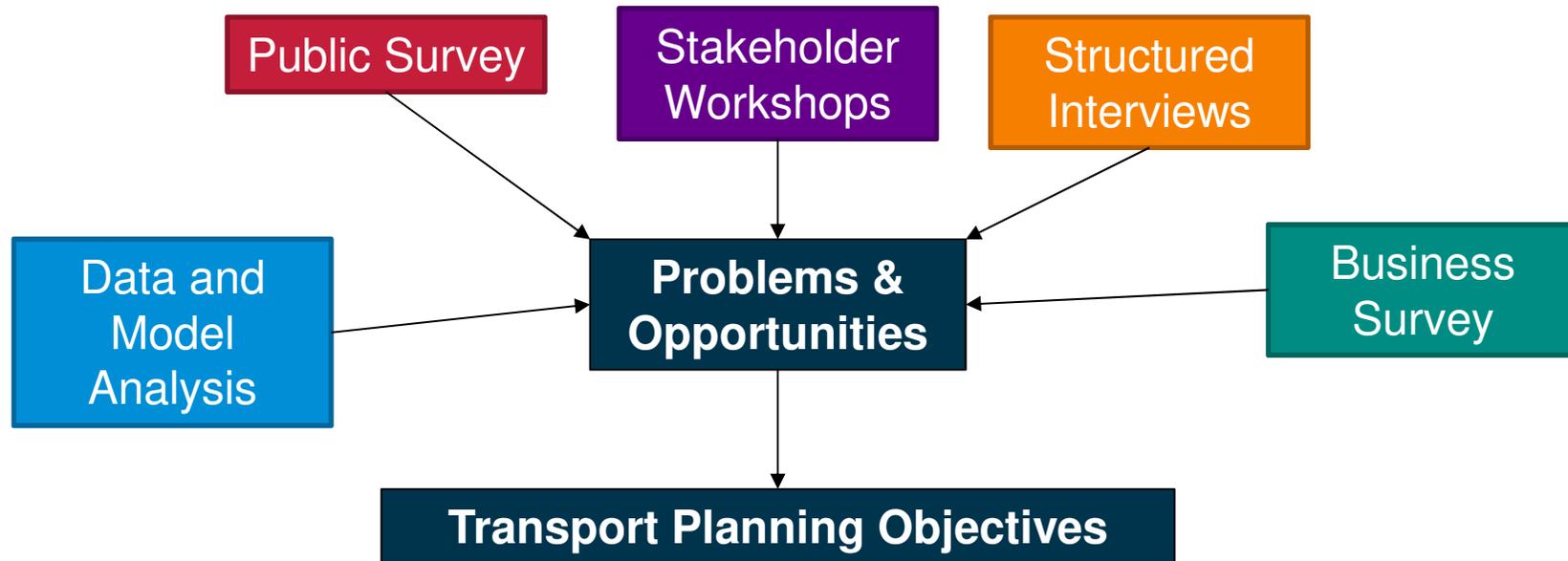
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# Identification of Problems and Opportunities

Problems and Opportunities identified from several sources:



# Example Information relating to Problems and Opportunities provided through engagement

## Problems

*“Bus services are being cut”*

*“Public transport journey times”*

*“Integration – bus services do not connect well with rail”*

*“Access to employment, healthcare and education is poor”*

## Opportunities

*“Promoting tourism”*

*“Deep water harbour at Methil Docks”*

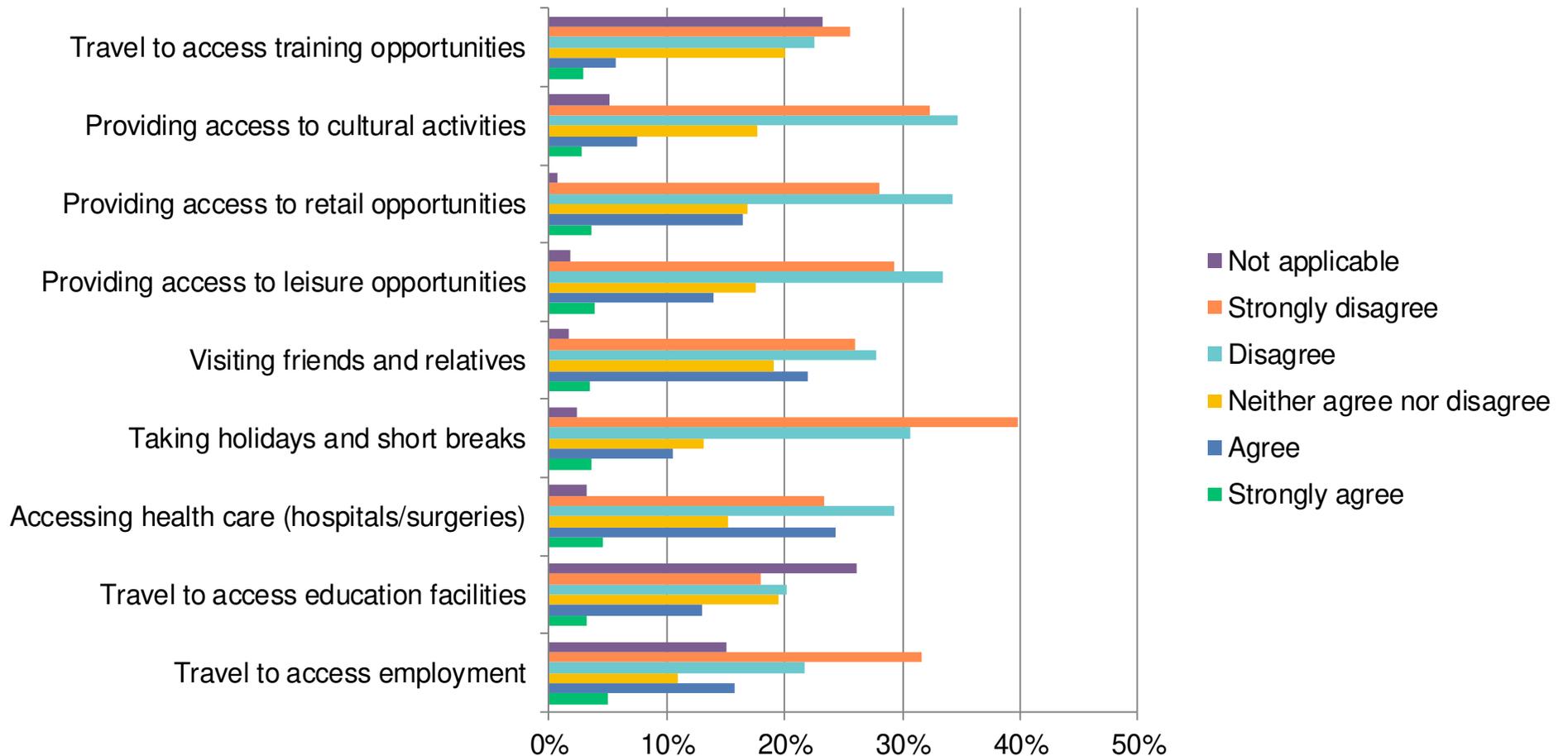
*“Modal shift (HGV freight)”*

*“Bespoke cycle hire”*



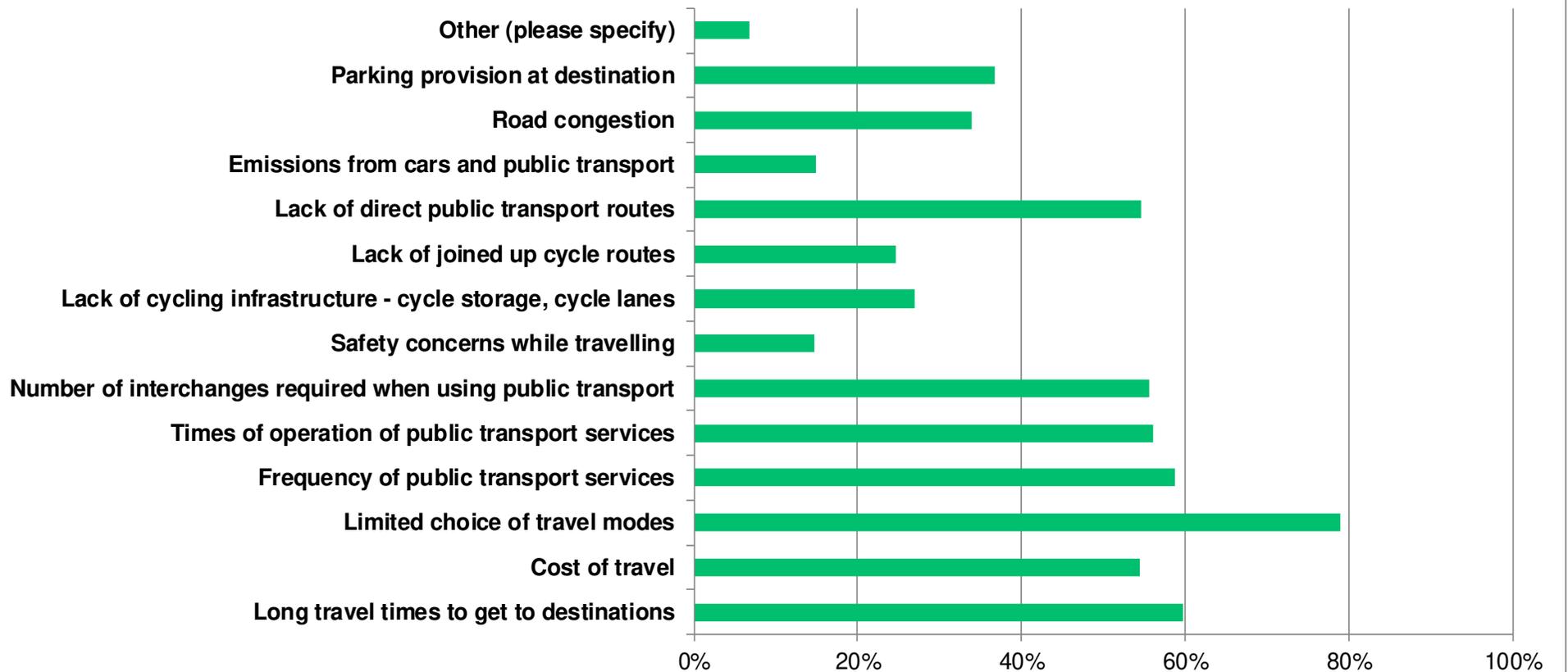
# Wider Public Survey – Summary of Self-Reported Results

Do you believe the existing transport network (road, bus, rail, walking and cycling routes) fulfills your needs for the following purposes?



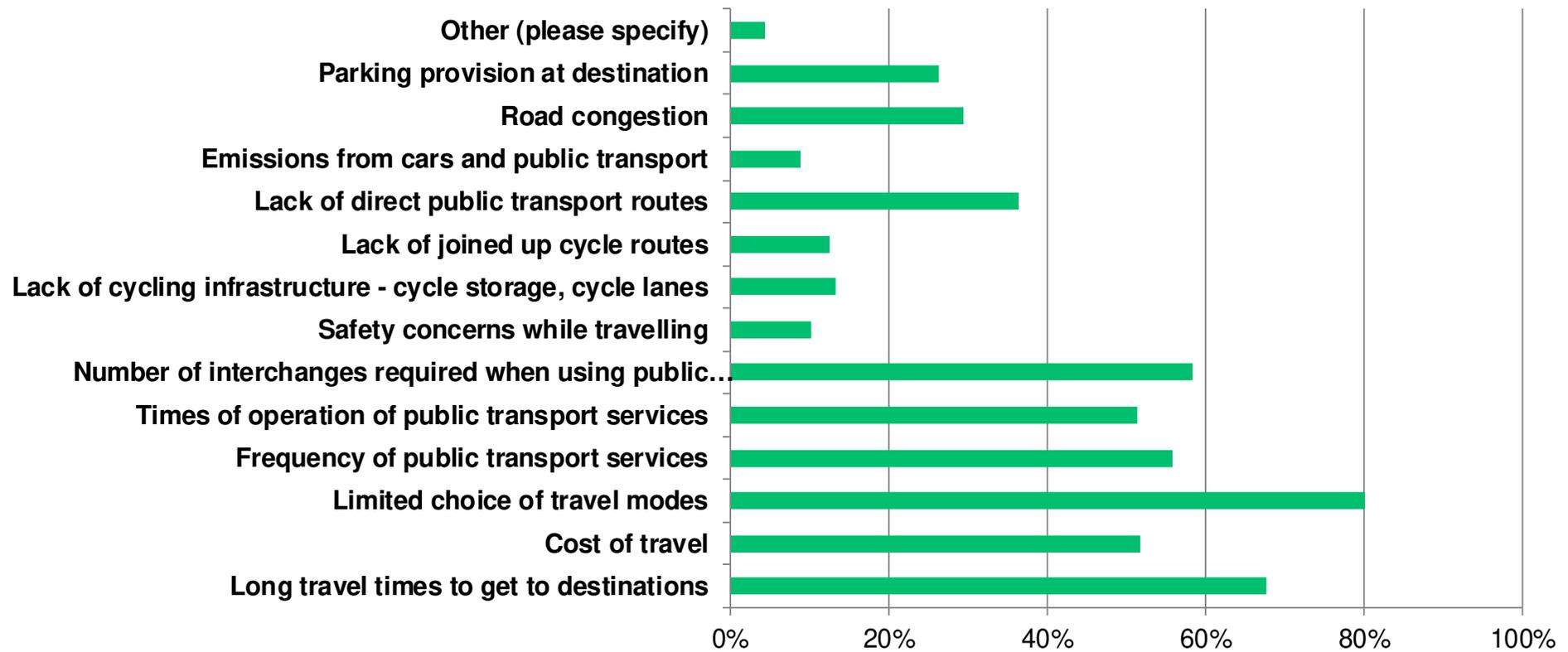
# Wider Public Survey – Summary of Self-Reported Results

Do you feel that any of the following have a negative impact on your ability to travel within the Levenmouth area? (Select all that apply)



# Wider Public Survey – Summary of Self-Reported Results

Do you feel that any of the following have a negative impact on your ability to travel from the Levenmouth area to the rest of Fife and beyond? (Select all that apply)



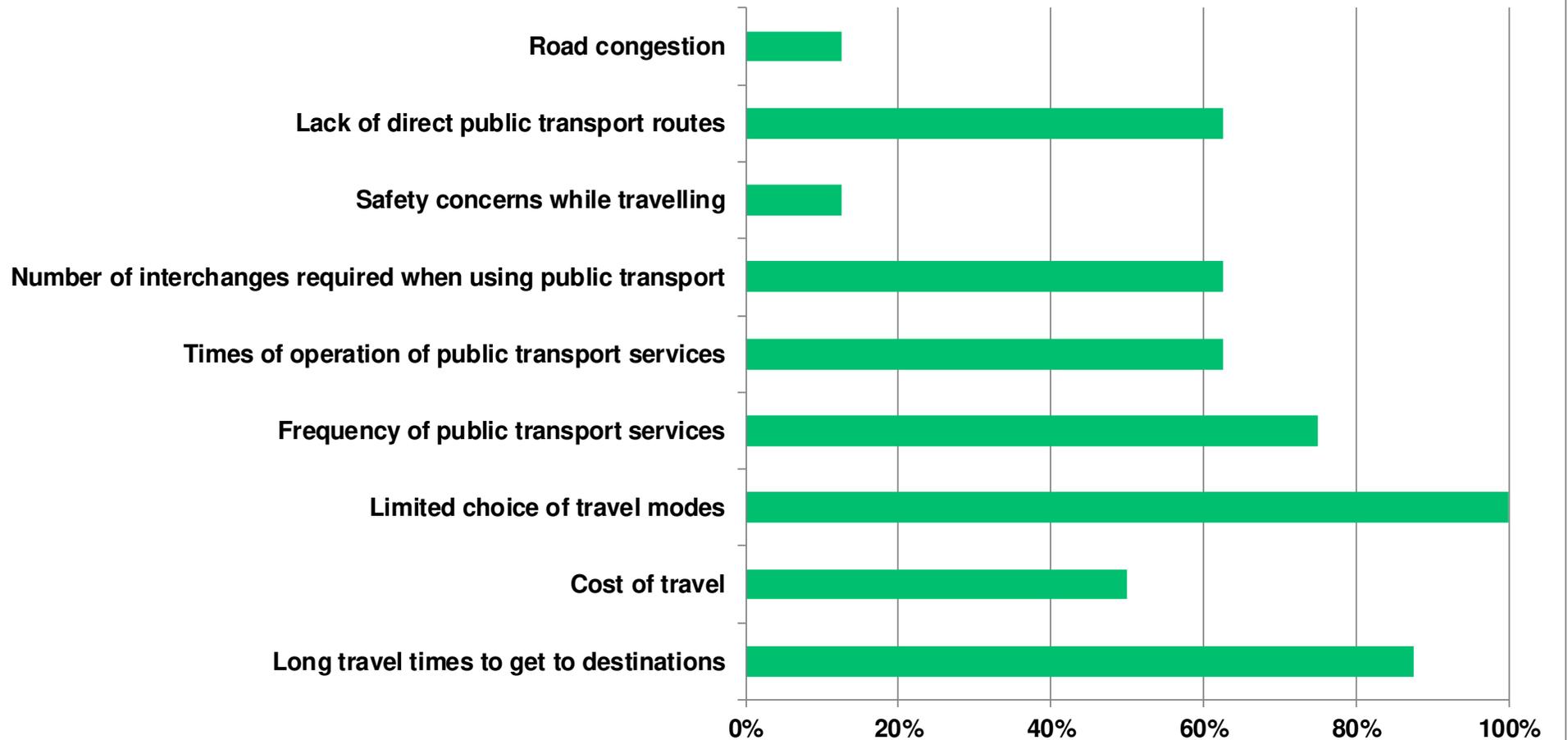
# Wider Public Survey – Summary of Self-Reported Results

## Top 3 Key Self-Reported Problems by Mode

Rank	Road	Bus within Levenmouth	Bus to/from Levenmouth	Rail	Active Travel
1	Poor quality surface	Service frequency	Long journey times	Nearest station too far away	Distances are too far to where I need to go
2	Congestion and delays	Lack of direct routes	Lack of direct routes	Overcrowded services	Weather
3	Poor driving by others	Number of interchanges	Service frequency	Lack of direct routes	Lack of available walking and cycling routes

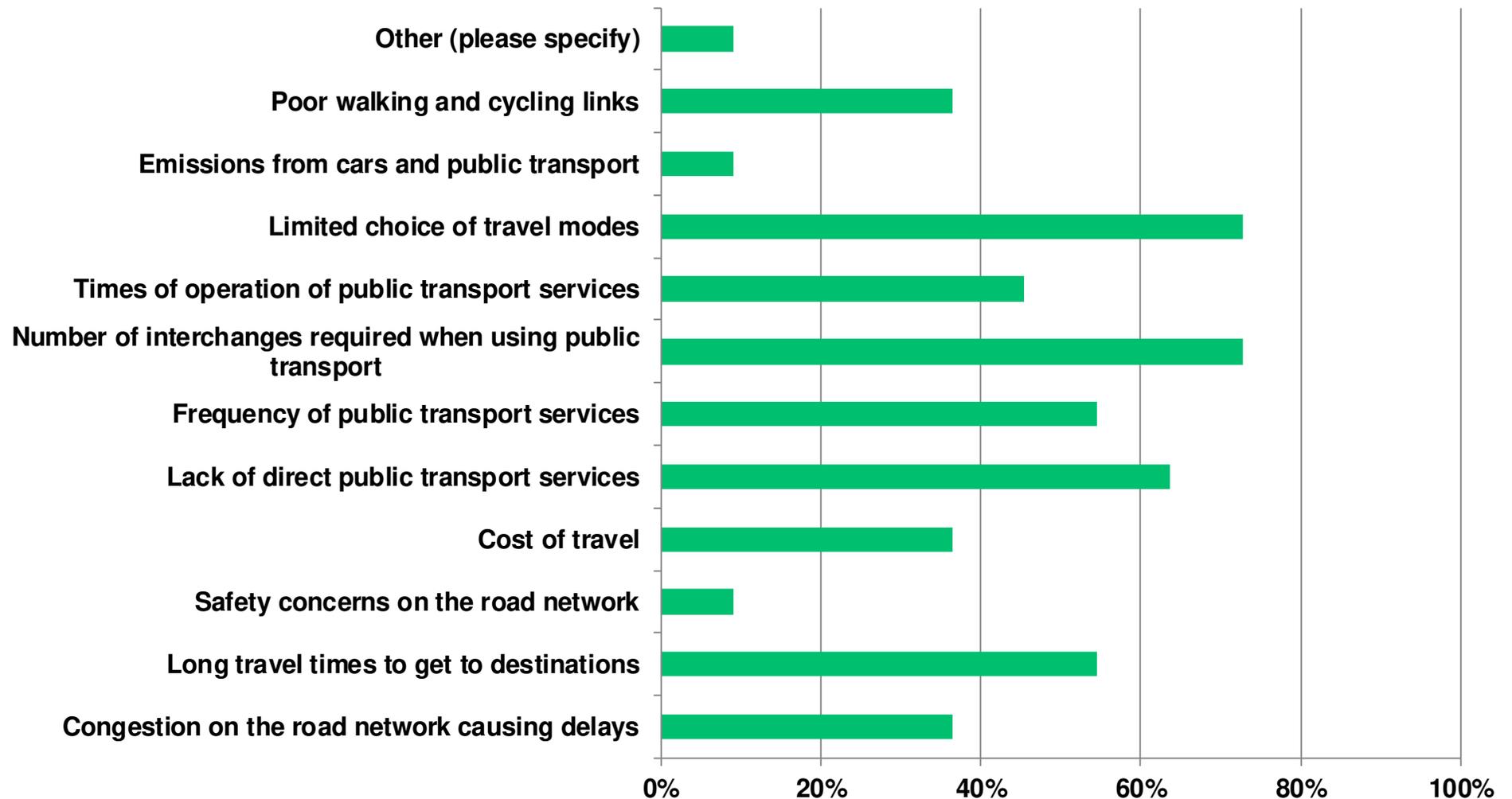
# Business Survey – Summary of Results

## Transport problems impacting on attraction and retention of staff



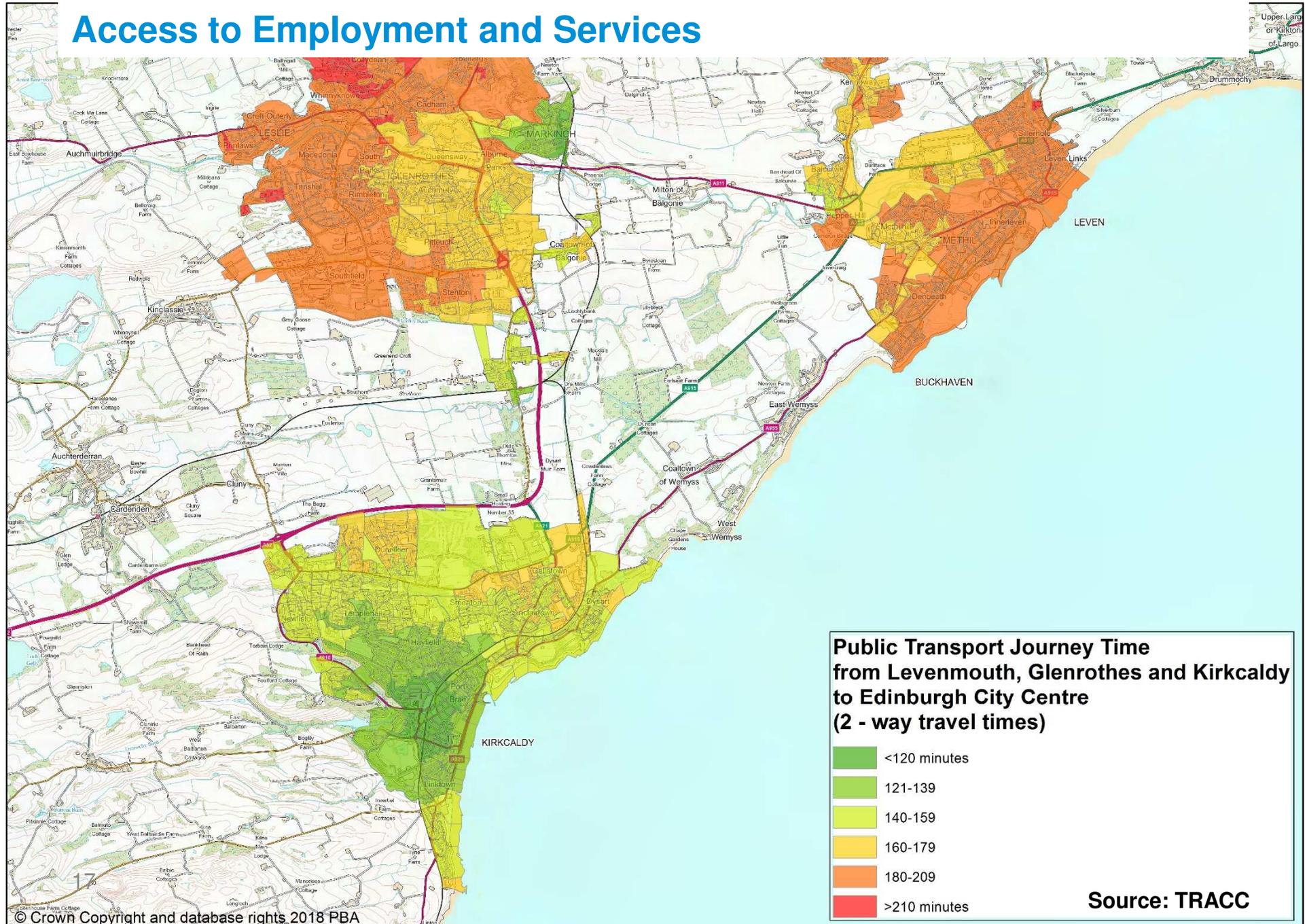
# Business Survey – Summary of Results

## Transport problems related to key weaknesses in business location



# Selected Identified Problems from Evidence

## Access to Employment and Services



# Selected Identified Problems from Evidence

## Rail Fares

- Markinch to Edinburgh, standard day return £20.70. This is much higher than would be predicted by other £/mile fares to Edinburgh or Glasgow
- Approximately £5 more expensive
- Accessing from Leven would mean additional bus fare (£5.40), meaning total day return cost of £26.10
- Rail fare from Kirkcaldy is lower (£14.80). However, bus trip required (£6.80) meaning total cost is £21.60

Source: Previous STAG study, 2016

# List of all Identified Problems

## Problem Theme: Access to Local and Regional Services by Public Transport Leading to Unsustainable Travel Choices

- Access to Employment and Services
- Lengthy Public Transport Journeys
- Limited Public Transport Options
- Rail Fares
- Public Transport Services to Edinburgh
- Bus-Rail Interchange
- Perception of Car Park Capacity Issues at Markinch and Kirkcaldy Rail Stations
- Perception of Unreliable Bus Services
- Attracting Investment
- Access to Skilled Workforce
- Bus Information Services
- Bawbee Bridge and Leven Railway Line

# List of all Identified Opportunity Themes

- Increasing Public Transport Choice
- Rail Freight
- Proximity to Methil Docks
- Bus Service Enhancements
- Levenmouth Business Park
- Active Travel
- Leisure Tourism

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# Transport Planning Objectives

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# Setting Transport Planning Objectives

**Purpose:** to develop a set of Transport Planning Objectives that reflect the transport problems and opportunities, and express the outcomes sought for the study

## Problems

Access to employment and services

Lengthy public transport journeys

Limited Public Transport Options

Rail fares

Public transport services to Edinburgh

Bus-rail interchange

Perception of car park capacity issues at Markinch and Kirkcaldy Rail Stations

Attracting Investment

Access to Skilled Workforce

Bus Information Services

Bawbee Bridge and Leven Railway line

Perception of unreliable bus services

## Opportunities

Bus Service Enhancements

Increasing public transport choice

Rail freight

Proximity to Methil docks

Levenmouth Business Park

Active travel

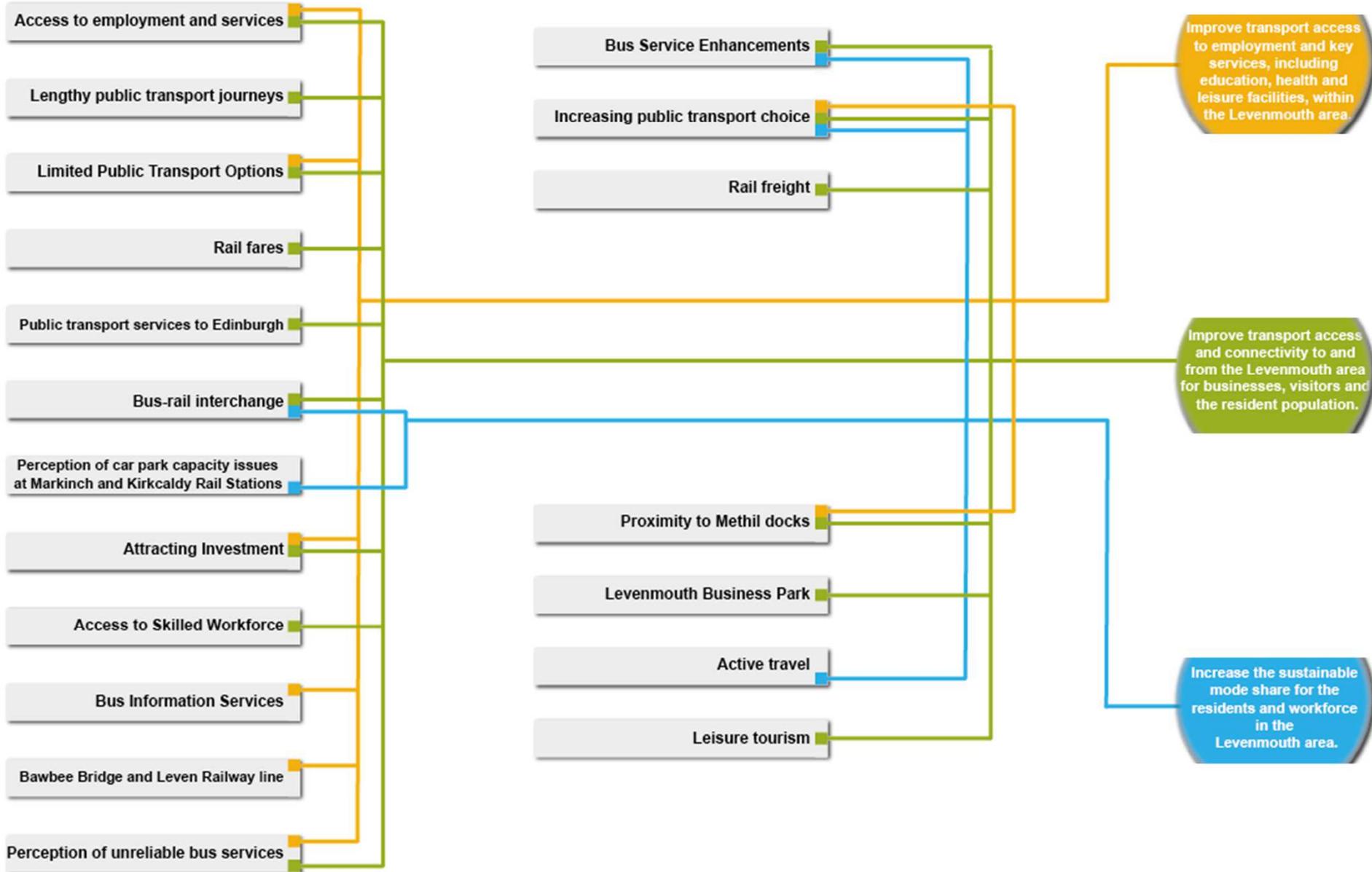
Leisure tourism

## Transport Planning Objectives

Improve transport access to employment and key services, including education, health and leisure facilities, within the Levenmouth area.

Improve transport access and connectivity to and from the Levenmouth area for businesses, visitors and the resident population.

Increase the sustainable mode share for the residents and workforce in the Levenmouth area.



# Transport Planning Objectives (TPOs)

Improve transport access and connectivity to and from the Levenmouth area for businesses, visitors and the resident population

Improve transport access to employment and key services, including education, health and leisure facilities, within the Levenmouth area

Increase the sustainable mode share for the residents and workforce in the Levenmouth area

# Transport Planning Objectives (TPOs)

## Purpose of the TPOs:

To reflect the outcomes sought for the study and will describe how problems will be alleviated and opportunities realised. They play an integral role in the appraisal process

## How they are used in appraisal:

- As a performance measure of the multi-modal transport options developed to address the problems and realise the opportunities
- Choice of option, or options, founded upon the TPOs
- Must be made SMART to facilitate Monitoring and Evaluation of option

## Other assessment criteria

- STAG criteria [i.e. Economy, Safety, Integration, Accessibility & Social Inclusion, Environment]
- Feasibility, Affordability and Public Acceptability
- Established Policy Directives

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# Option Generation

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# Option Generation

**Purpose:** To generate the widest possible set of options which could alleviate the identified or perceived problems and address the potential opportunities across the Levenmouth area transport network

# Recommended Multi-Modal Transport Options for Preliminary Options Appraisal

Type	Description
Accessibility	Maintain existing bus services while improving local public transport facilities and information services
Accessibility	Improve local bus services connecting towns in the Levenmouth area to Leven
Accessibility	Improve bus services to rail stations at Markinch, Kirkcaldy and Glenrothes
Accessibility	Improve regional bus services linking Leven with Kirkcaldy, Glenrothes, Dunfermline, St Andrews, Dundee, Edinburgh and Glasgow
Freight	Provision of a rail freight link to Cameron Bridge and Methil Docks along the alignment of the existing, but currently out of use, line between Thornton North Junction and Methil Docks
Public Transport	Provision of a rail line along the alignment of the existing, but out of use, rail line between Thornton North Junction and Methil Docks
Public Transport	Provision of a new passenger only rail alignment from Leven and Methil Docks to Kirkcaldy
Public Transport	Provision of a new rail alignment from Leven and Methil Docks to Markinch
Public Transport	Provision of a new Bus Rapid Transit alignment from Leven to Markinch
Active Travel	Provision of new and / or improved active travel routes linking the towns in Levenmouth as well as to the East Neuk
Public Transport	Hovercraft triangle between Levenmouth, Kirkcaldy, and Edinburgh, including a hovercraft terminal at Methil Docks
Public Transport	Reduction in rail fares from Markinch to Edinburgh (together with an increase in car parking capacity)

**\*New options in orange**

# Reporting and Next Steps

- **STAGE 1, Initial Appraisal: Case for Change Report** (now published on Transport Scotland website)
- **STAGE 2, Preliminary Options Appraisal**. Initial qualitative appraisal of the recommended options taken forward from STAGE 1 (now underway with report planned to be published in early 2019)
- **STAGE 3, Detailed Options Appraisal** – a more detailed appraisal of options taken forward from STAGE 2
- **END OF STAGE 3, Final Report** to be published in spring 2019, subject to routine technical risks
- **Feedback to Stakeholders** as the study progresses, including updates during STAGES 2 AND 3 (anticipated to be in February and March 2019)

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# Q&A

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# Concluding Remarks

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# Thank you for participating!

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