

FUTURE EDINBURGH

Tram the next five years – lessons and ambitions



Cleaner, greener and safer for everyone

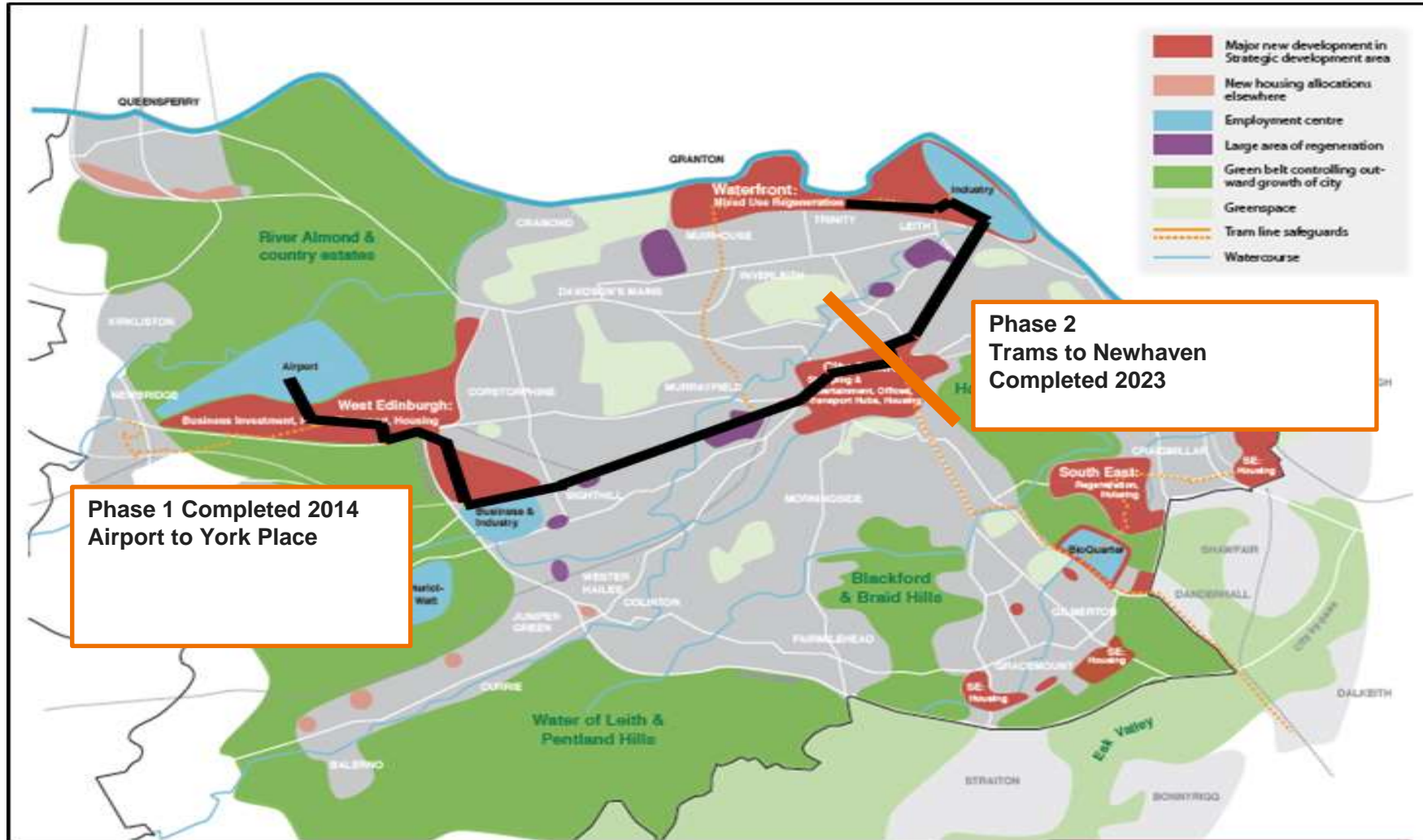


EDINBURGH
THE CITY OF EDINBURGH COUNCIL



www.edinburgh.gov.uk/futureedinburgh

Where are we now? Edinburgh Tram line 1a



Objectives:

- Sustainable brownfield development
- Economic growth of area
- Capacity in public transport
- Link areas of strategic development
- Confidence in delivery

We are shaping our city for future generations

Across the world, cities like Edinburgh are **changing rapidly and feeling the impacts of**

- ❖ climate change
- ❖ poverty and health inequalities in our communities
- ❖ demand for new homes
- ❖ traffic congestion
- ❖ poor air quality in some areas
- ❖ biodiversity decline

These issues are highly **influenced by the way we travel around**, to and from the city, how we **deliver goods and services** to the places where people need them, and how we **design our streets**.

As our city grows, we want people, goods and services to be able to move into and around Edinburgh in a way that is

- ❖ safe
- ❖ sustainable
- ❖ efficient
- ❖ healthy
- ❖ affordable
- ❖ enjoyable
- ❖ can benefit everyone



Edinburgh by facts and numbers

From 2001 to 2021, Edinburgh's population has grown **by 10.2%** or an estimated **48,530 people**. The wider Edinburgh City Region has also grown by a further **42,470**

NATIONAL RECORDS OF SCOTLAND (2022)



37,000 new homes by 2030 which could add **over 75,000 people** to Edinburgh's population

EDINBURGH'S CITY PLAN 2030

Edinburgh is ranked as having **the 4th worst congestion** in the United Kingdom



TOMTOM TRAFFIC INDEX (2022)

Congestion adds **10 minutes*** travel time to typical peak time journeys

** based on a 10km commute*

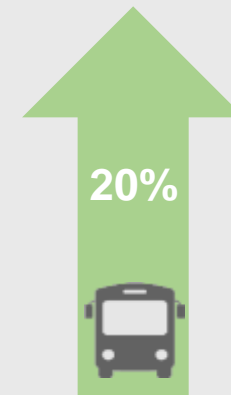
TOMTOM TRAFFIC INDEX (2019)



The cost of congestion to drivers is **£764** per annum



INRIX (2019)



Bus journey times have **increased by over 20%** on some corridors in the last 10 years

Edinburgh by facts and numbers

In 2011, **39% of households** in Edinburgh did not own a car

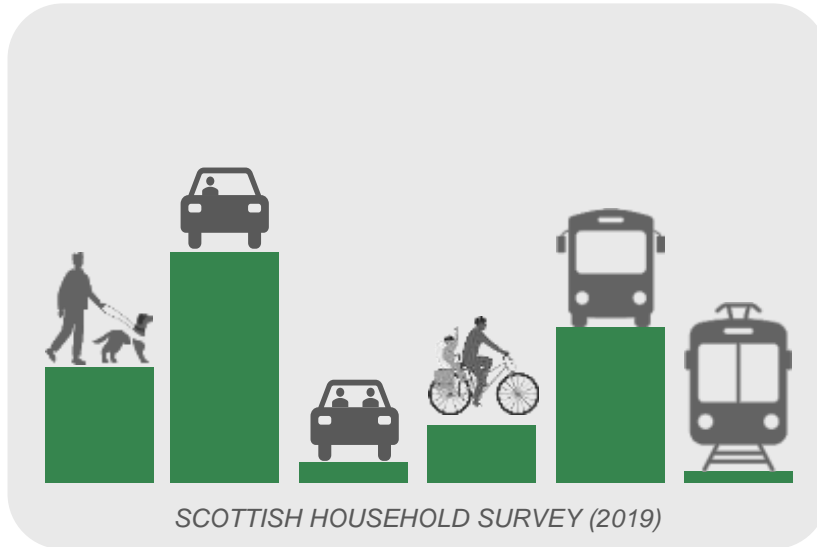
CENSUS DATA (2011)

1 in 4 Edinburgh residents cycle once a week

WALKING AND CYCLING INDEX (2021)

28% of Edinburgh's residents get the bus to work, the highest rate in Scotland

59% of Edinburgh's residents do not use private cars to travel to work



one double decker bus can replace 75 cars with a single occupant

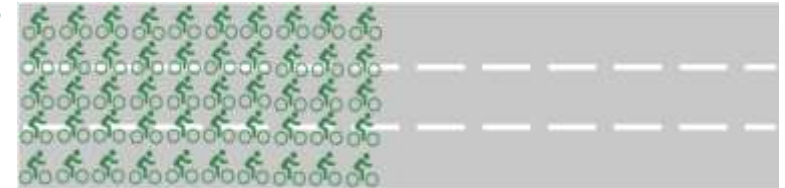


NATIONAL TRANSPORT STRATEGY (2020)

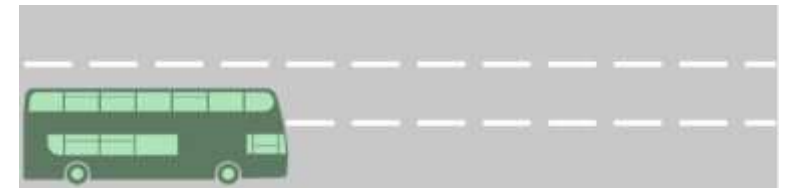
comparison of road space for different travel modes



50 pedestrians



50 cyclists



50 people on a bus (full capacity is 80-100 people)



50 people on a tram (1.5 carriages of a standard tram as shown)



50 people on a cars (assuming 1.5 person occupancy)



North South Tram

- Build on Trams to Newhaven
 - Lessons learned
 - Confidence in delivery
- Public transport integration
 - Integration with bus – complement not compete
 - Integration with train – greater opportunities for connectivity from e.g. Borders rail
- Accelerate modal shift
- Demand management
 - Enables options to be implemented
- Public transport capacity and reliability
 - Bus highly successful in Edinburgh but close to capacity
 - City centre stops act as a constraint on future growth
- Decarbonising transport
- Regional connectivity
 - Line has regional dimension in routing
- Tackling deprivation
- Sustainable economic development
 - Granton & Bioquarter



Tram Options Overview

Development Plan Sites

- Strategic Developments/ Housing-led Mixed Use
- Employment
- Greenspaces

Tram Alignments

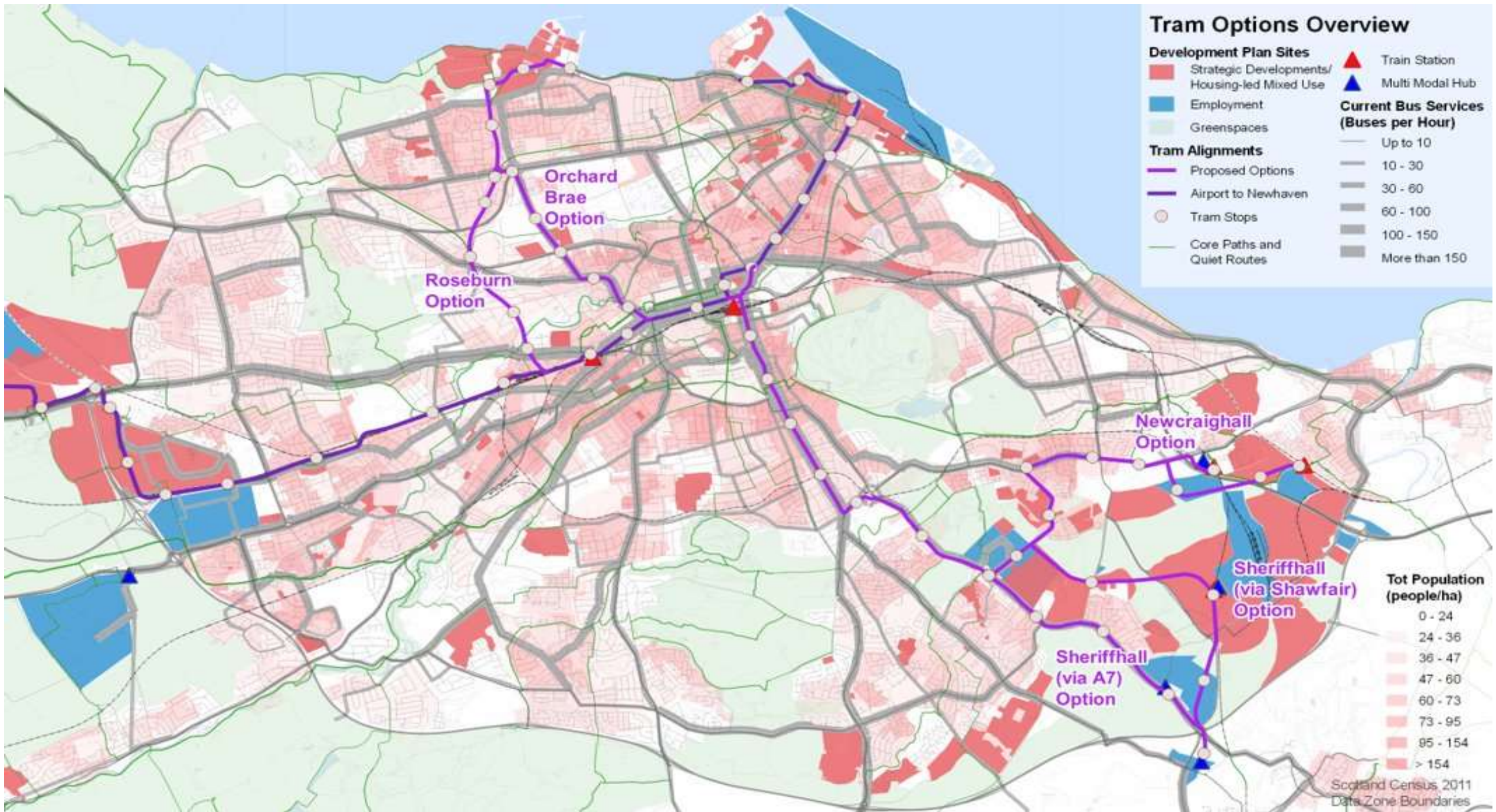
- Proposed Options
- Airport to Newhaven
- Tram Stops
- Core Paths and Quiet Routes

Current Bus Services (Buses per Hour)

- Up to 10
- 10 - 30
- 30 - 60
- 60 - 100
- 100 - 150
- More than 150

Train Station

Multi Modal Hub



Tot Population (people/ha)

- 0 - 24
- 24 - 36
- 36 - 47
- 47 - 60
- 60 - 73
- 73 - 95
- 95 - 154
- > 154

Scotland Census 2011
Data Zone Boundaries

Bioquarter

- 160 acre site
- Currently home to main hospitals and associated research and training facilities
- Ambition to create £1billion Health Innovation District
- High density
- Mixed use including residential, centred around a world-leading healthcare community



Granton Waterfront

3,500 + net zero homes within a 20 minute neighbourhood with school, medical centre, cafes and shops



With access to over 200ha of green space, beaches and world class views, Sport and leisure opportunity.



Climate conscious living with investment in green corridors, 10,000 + lin. m of new and enhanced active travel network, mobility hubs and a low carbon heat network.



Skills for Scotland's future, home to Edinburgh Demonstrator Project and EC Centre of Excellence



Creative and business start up space in Granton Station and West Shore Studios. 150+ jobs, home to Wasps and Edinburgh Palette



Cultural Powerhouse including NGS and NMS collection and visitors centre

A new vibrant, sustainable coastal town on Edinburgh's Waterfront

Questions?



