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The Road to Refurbishment Are we there yet ?



Glasgow

The biggest local authority in Scotland

635,130

people lived in Glasgow in 2021.

Until 2020, the city's population was rising steadily due to inward migration and because births exceeded deaths, however the impact of COVID-19 deaths and a fall in births has meant the population growth has slowed.



Transport Quick Facts

Lowest Car Ownership in Scotland

- Glasgow has **376 vehicles** per **1,000 people aged 17+**
- National average: **559 per 1,000**

Public Transport Plays a Key Role

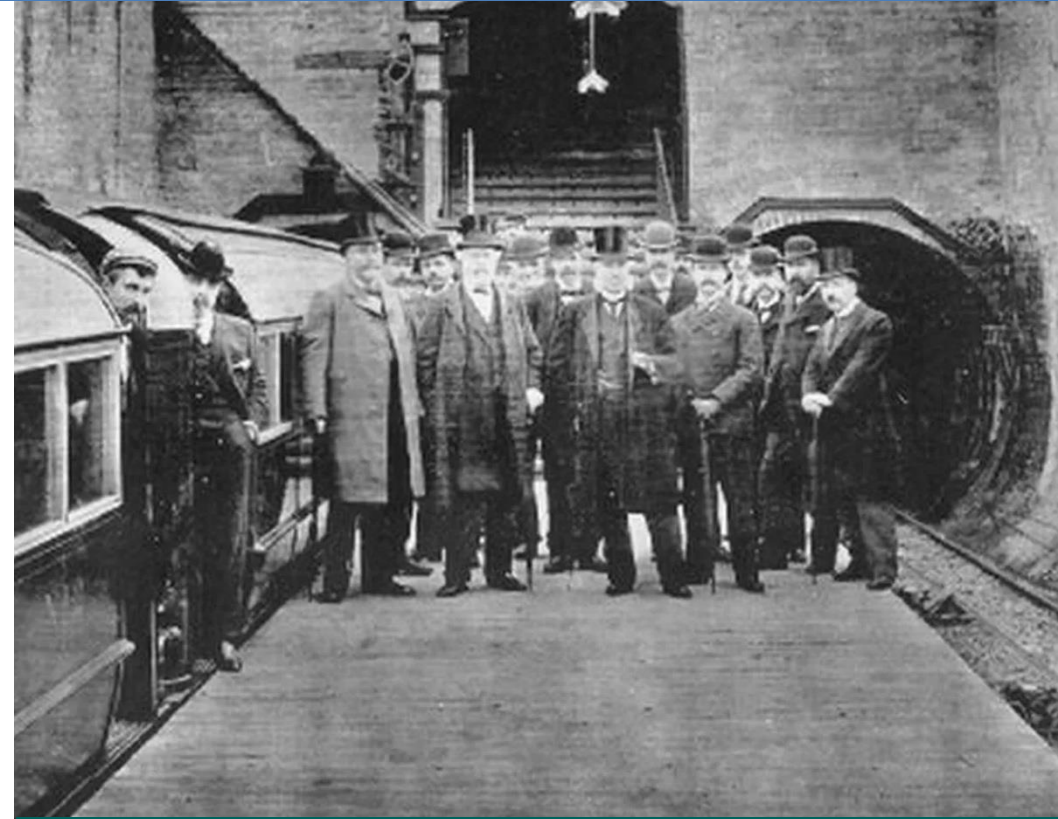
- Among Scotland's most public-transport-dependent cities
- **21%** of residents **use public transport** on **five or more days per week**
- **56%** of residents walk or wheel at least **five days per week**

Active Travel is Growing

- **Boosted by investments** in cycling lanes & pedestrian-friendly streets
- **15%** mode shift to cycling on sample route

High Traffic Volume

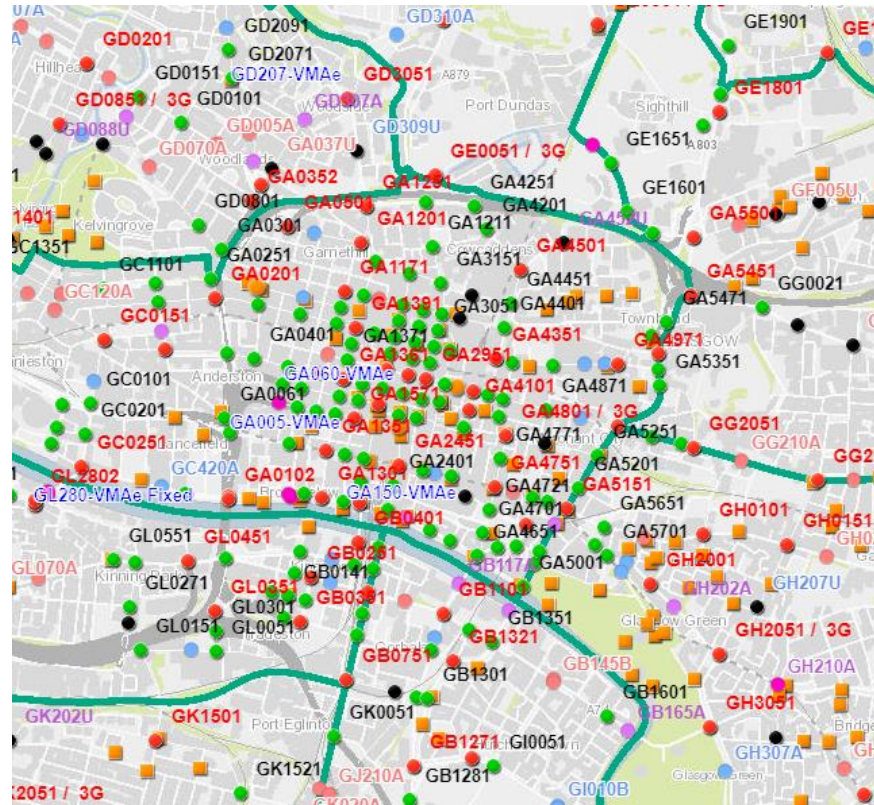
- **Highest traffic volume** in Scotland
- A **major transport hub** with high commuter flows



Third Oldest Subway in the World!

Glasgow's Traffic Signal Network

- Traffic Signal Junctions
- Pedestrian Crossings
- 5 x Strategic VMS
- Mesh Network
- Fibre now updated
- ATC 65 sites
- Control room manned 7am – 12am



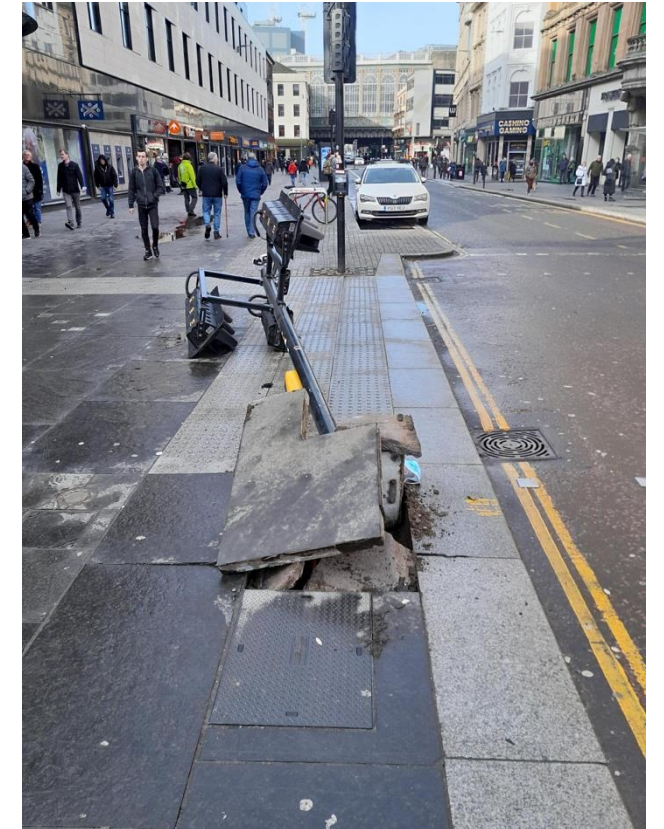
- Yunex Maintenance Contract 2021 - 2025
- Swarco Systems Contract
- SCOOT
- Bus Priority
- Greenwave

- Actie Travel Tier 1 & 2
- Road Safety Improvement Fund
- Roads Capital
- Revenue
- SPT
- Developers

Traffic Signal Contract 2024 - 2025 Overview

- 48hr KPI – 97.5%
- Average faults per month – 383
- Lamp Faults per month – 130
- Replaced 70 poles due to RTC's and Condition
- 16 Controllers replaced dur to RTC's

Lamp Flts		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	LAMP
	2020	549	157	88	218	21	104	65	55	49	124	97	59	1586
	2021	131	47	62	28	41	120	93	65	69	40	45	38	779
	2022	77	44	73	69	32	95	48	74	44	29	71	22	678
	2023	42	74	103	36	70	72	82	103	99	235	150	80	1146
	2024	156	139	126	115	119	100	156	113	167	144	146	88	1569
	2025	110	159	162										431



Large scale cycling projects

St Georges Rd Value - £920K





Summary



Transport Strategy:

Sustainable, inclusive transport by 2030, prioritising accessibility, efficiency, and environmental goals.



Road Safety Plan:

Reducing collisions, safer streets for all road users through improved infrastructure, education, training, publicity and enforcement – VISION ZERO



Liveable Neighbourhoods:

20-minute neighbourhoods, less car dependency, better local services, enhanced community spaces



Net Zero:

Carbon neutrality by 2030, reducing emissions, promoting renewable energy, and green transport. **Lowering vehicle KM travelled by 30% by 2030.**



City Centre Plan:

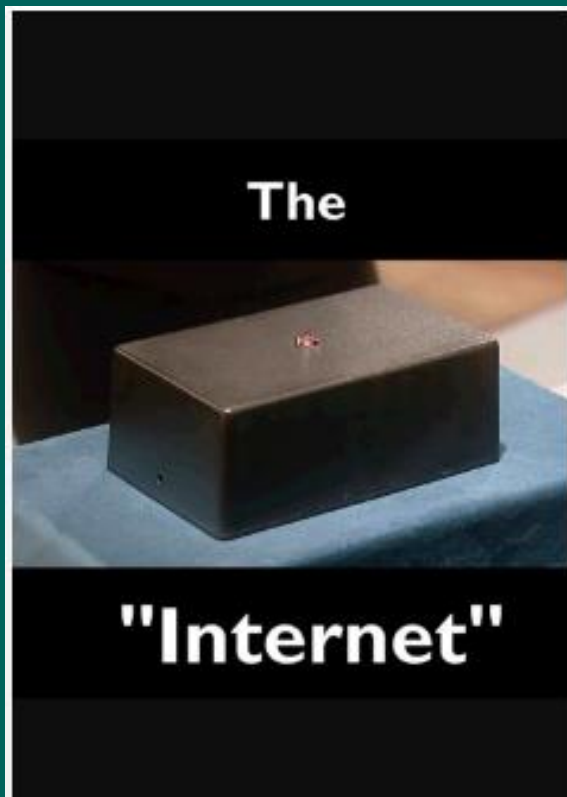
Greener, thriving urban core with better transport, jobs, and public spaces.



Active Travel Strategy:

Encourages walking, cycling, infrastructure upgrades, and health-focused mobility

The Team



Award Winning Team !!!



Traffic Signal Overview

- 913 Sites
- 377 Pedestrian Crossings
- 536 Junctions
 - 400 are halogen
 - 94 have no tactile cones
 - 134 have no tactile paving
- Desktop survey to explore upgrade options such as retrofit & using Yunex Plus + Solution



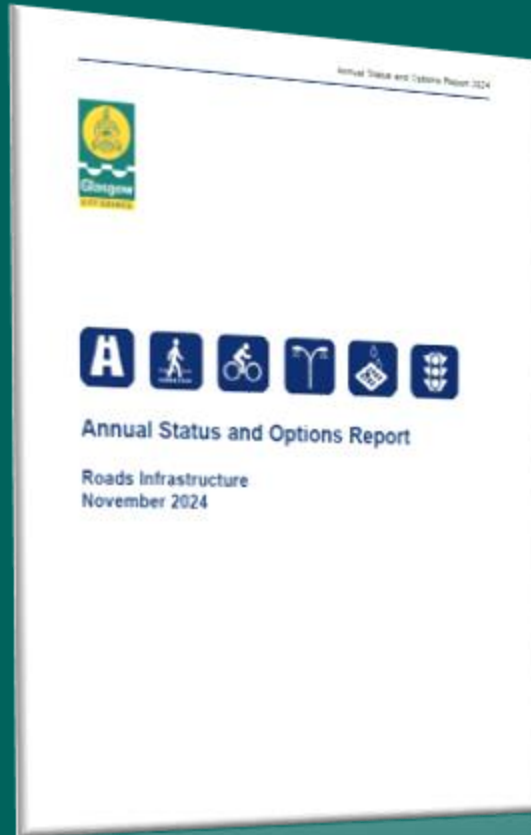
Glasgow's Traffic Signals – the problems



Glasgow's Traffic Signals – the problems continue ...



ASOR Report 2024



- Approximately 52% of traffic signal installations have been identified as needing replacement. To mitigate the risk of traffic signal lamps becoming unavailable and to ensure all signalized junctions meet the current standards outlined in the Equality Act 2010, an investment of £5.5 million per annum for five years is necessary. This funding will enhance safety and accessibility at traffic junctions throughout the City.

ASOR Report 2024

Current Investment
Capital Works £2.6M

Continuous investment is needed to address asset issues

No Investment

Steady State Investment
£4M

Current Investment
£2.6M
(11 years to address issues)

Tactile cones & paving only
£11M

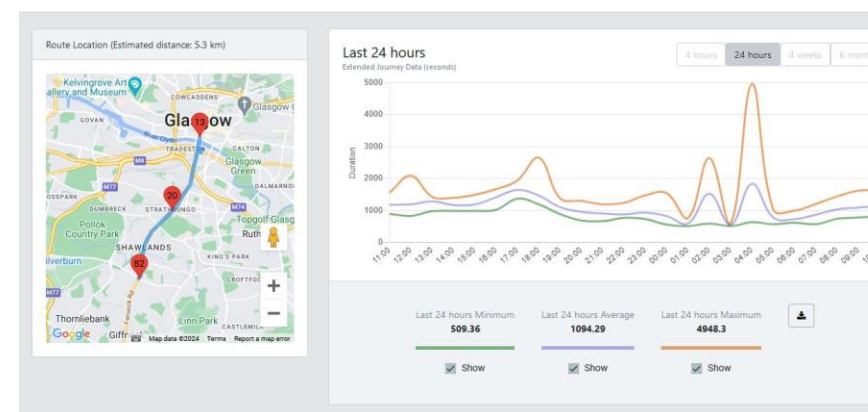
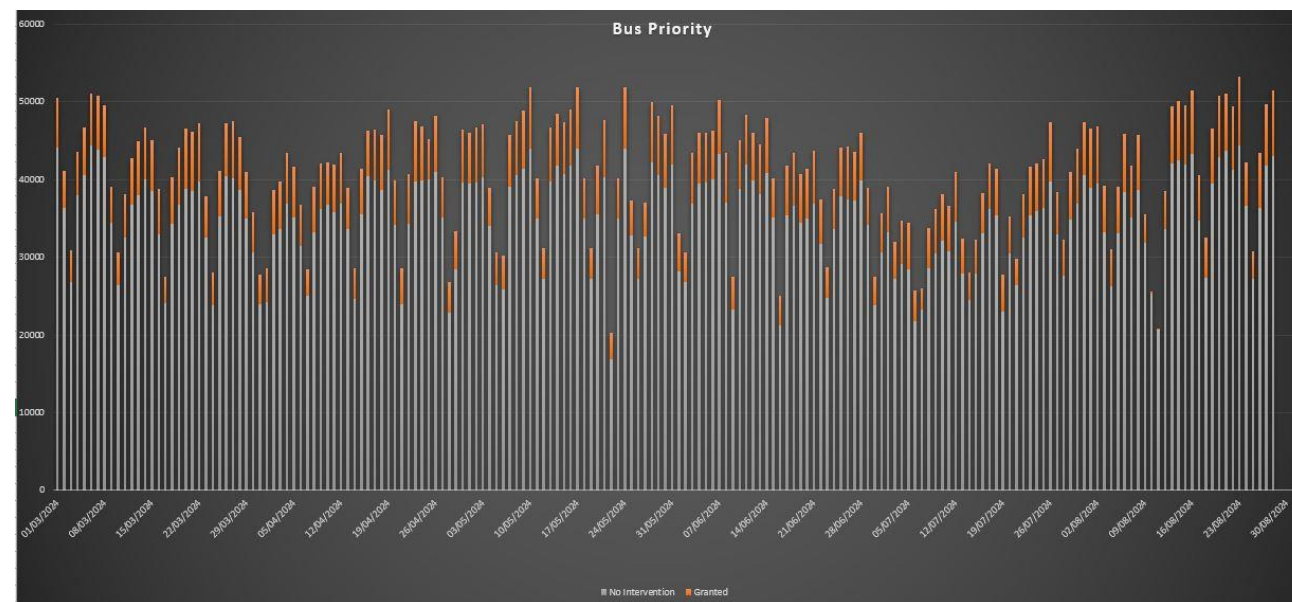
Remaining sites upgraded
(phased approach)
£5.5M for 5 Years



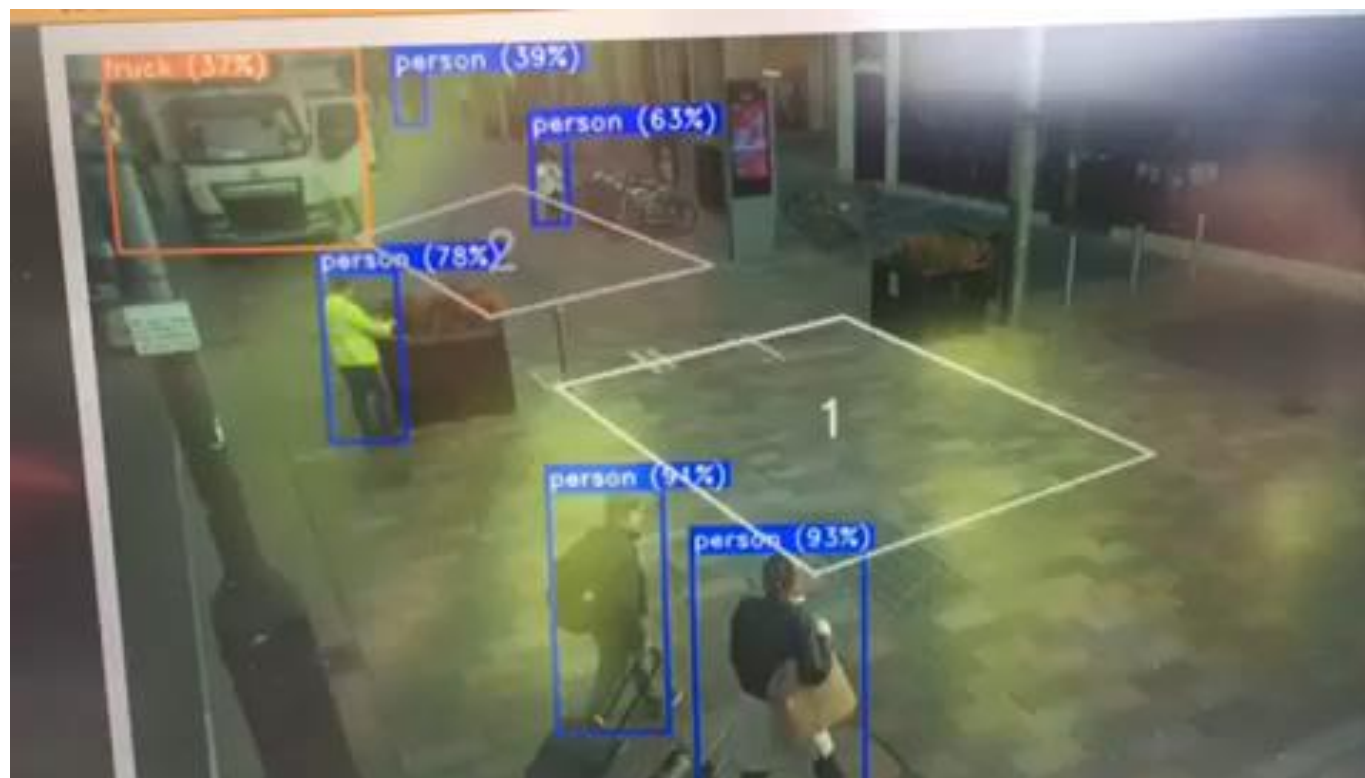
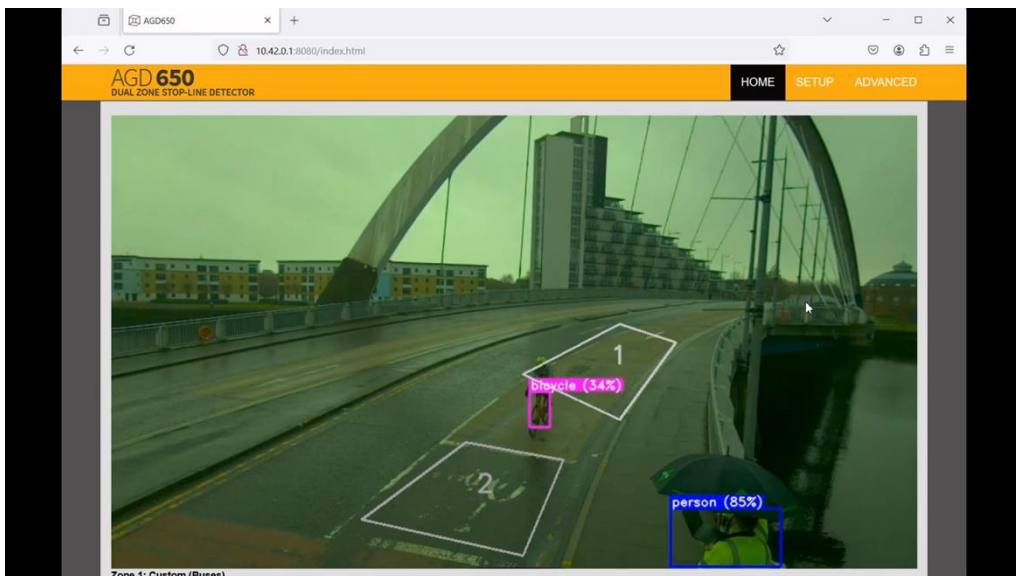








AI & The Future of Traffic Signals



AI & The Future of Traffic Signals



The Vision for Glasgow

A picture says a thousand words!



Supporting a fair and sustainable city where everyone gets to contribute and all can benefit from a flourishing Glasgow

OFFICIAL

Glasgow Mandatory 20MPH



Transforming Glasgow to prioritise Active Travel and Vulnerable Road Users



Transforming Glasgow to prioritise Active Travel and Vulnerable Road Users





- Major renovation of a key area in Glasgow
- There is an ambition to make George Square a focal point for events and gatherings
- Improved landscaping and more greenery & seating areas
- Lighting and drainage improvements
- Restoring Statues
- High Quality Public Realm
- 18month restoration programme & upwards of £21M
- 6 Junction upgrades and 1 new pedestrian crossing

What next for Glasgow ?

Continue to:

Explore funding options

Keep things moving in challenging times

Investigate further options (Plus + / Retrofit)

Work with partners on projects

Investigate and trial new technology

