

Challenge statement four

Bug hunt

How might we better identify and unlock constraints within the transport network?

PROBLEM STORY

Where are the 'bugs' in the transport network (road, rail, cycling, walking, ferries, etc) that cause it not to work as well as it could?

Some things to think about could include:

Prioritisation: for example, higher value vehicles including buses and trucks (moving large amounts of people/goods using relatively small amounts of road space, but being stuck behind single-occupancy vehicles)

Gaps: Places where infrastructure doesn't make journeys possible or as easy as they could be (for example long deviations for walking, gaps in cycling networks, etc.)

Multi-modal journeys: Places where different modes don't quite connect to each other (for example a path not quite connecting to a train station or bus route, lack of end-of-trip facilities, etc.)

Can you identify any localised problems on the transport network where changes to infrastructure or operation might improve overall efficiency?

KEY OUTCOMES

- Identify localised problems that make it harder for people to complete the journeys they would like to make
- Visualise where problems are on the network
- Propose potential solutions to unlocking the identified constraints (if possible)

LONG TERM IMPACTS

- Improve localised problems on the network that have a disproportionate impact on travel time
- Reduce congestion
- A more connected transport network