



Agenda

- Congestion in the Portland region, now and in the future
- Freight and congestion
- Urban Mobility Strategy

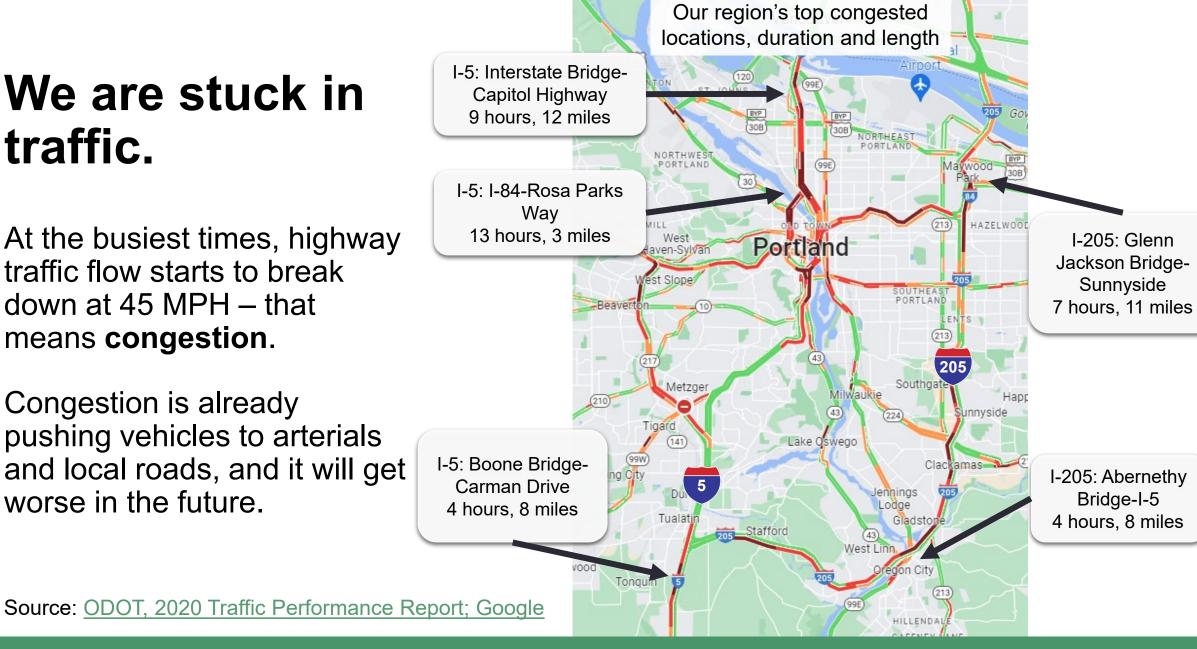




We are stuck in traffic.

At the busiest times, highway traffic flow starts to break down at 45 MPH – that means congestion.

Congestion is already pushing vehicles to arterials and local roads, and it will get worse in the future.

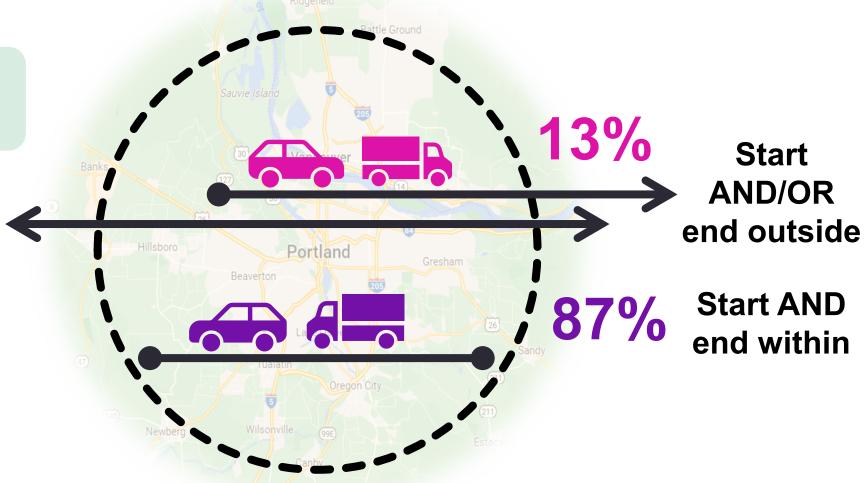






87% of <u>all trips</u> on I-5 and I-205 start and end within the region.

We cause our own congestion.

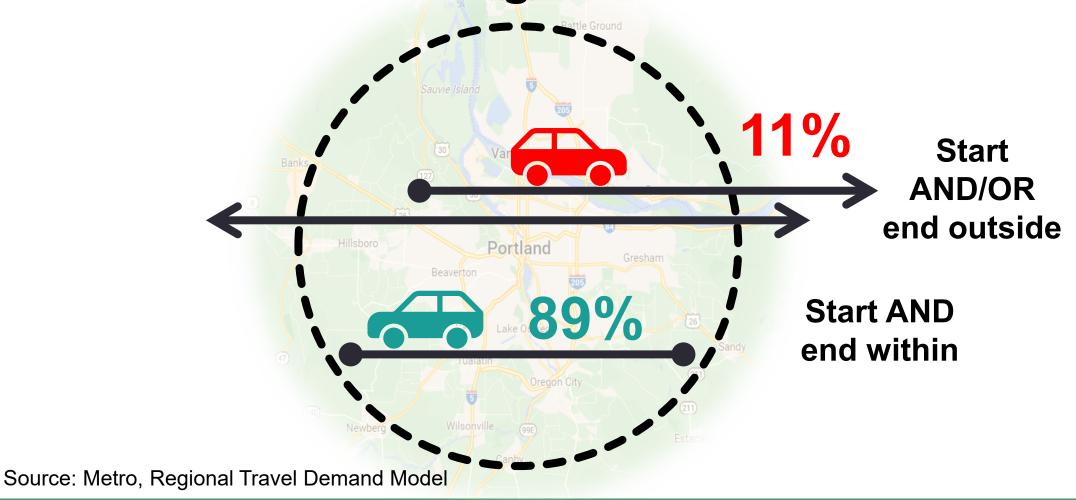


Source: Metro, Regional Travel Demand Model





89% of <u>passenger vehicle trips</u> on I-5 and I-205 start and end within the region.







Without action, traffic and delay will increase on I-5 and I-205.







Congestion will get worse if we do nothing.



Travel speed through bottlenecks will be even **slower**

Rush hour will last longer





Congested locations will **grow** in distance







Congestion increases safety risks on and off the highway.

Crash frequency on I-5 and I-205 increases with congestion and stop-andgo traffic.

Congestion means that after a crash, it takes longer for medical and service vehicles to get to the scene.















Congestion on highways pushes traffic to arterial and local streets. This can create safety conflicts.



Source: ODOT, Safety Priority Index System Reports





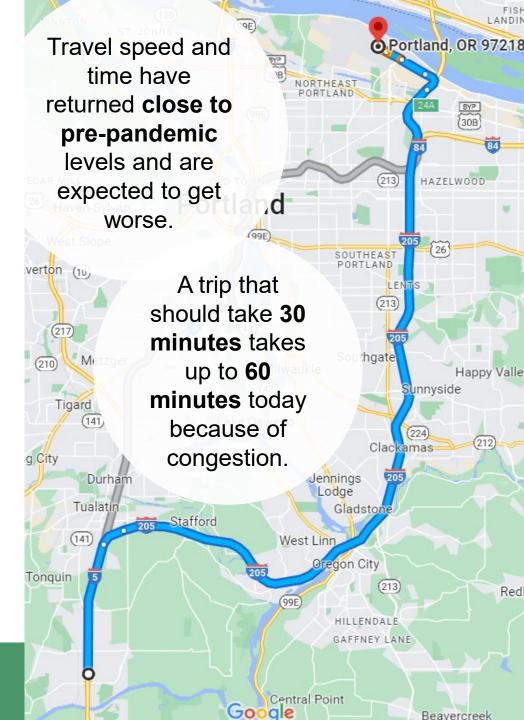
We build **buffer time** into our trips because our travel time is **unpredictable**. That's time wasted.

Example: Wilsonville to the Portland Airport (I-205)

Year	Average peak-hour speed	Average travel time range
2019	30 mph	29-62 min
2023 to-date	30 mph	29-61 min
2040	24 mph	29-76 min

Sources: <u>ODOT Statewide Integrated Model</u>, Regional Integrated Transportation Information System (RITIS)





We build **buffer time** into our trips because our travel time is **unpredictable**. That's time wasted.

Example: Wilsonville to Moda Center (I-5)YearAverage peak-hour speedAverage travel time range201929 mph19-38 min2023 to-date37 mph19-29 min

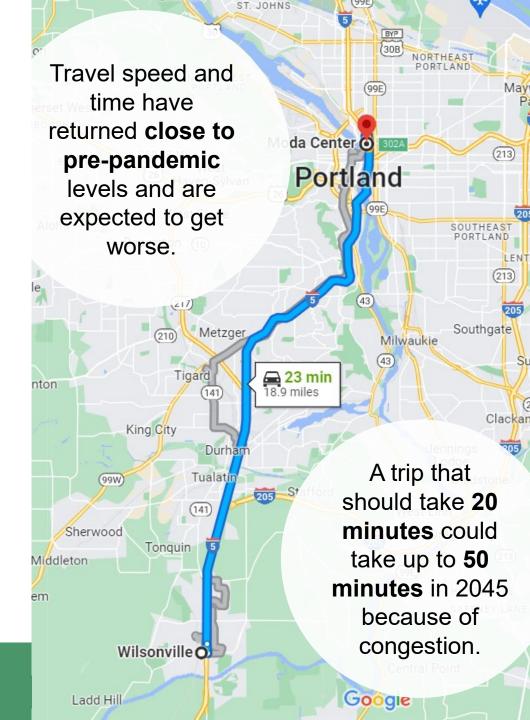
19-50 min

Sources: <u>ODOT Statewide Integrated Model</u>, Regional Integrated Transportation Information System (RITIS)

22 mph



2040



We rely on freight trucks, and our demand for them is increasing.

Today,

- 70% of daily truck miles traveled occurs on highways
- Trucks carry ~70% of all goods transported from, to, and within Oregon

By 2040, daily truck miles traveled will grow by...

- 57% on highways
- ~75% on collector and local roads

Source: ODOT, 2022 Statewide Congestion Overview PBOT, 2040 Freight Future Conditions Report

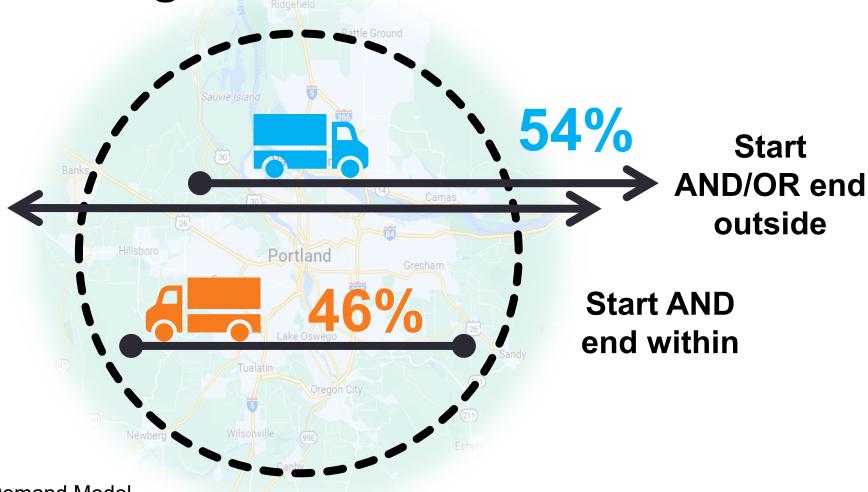






46% of <u>freight trips</u> on I-5 and I-205 start and end within the region.

These trips deliver our packages and help move our export goods.

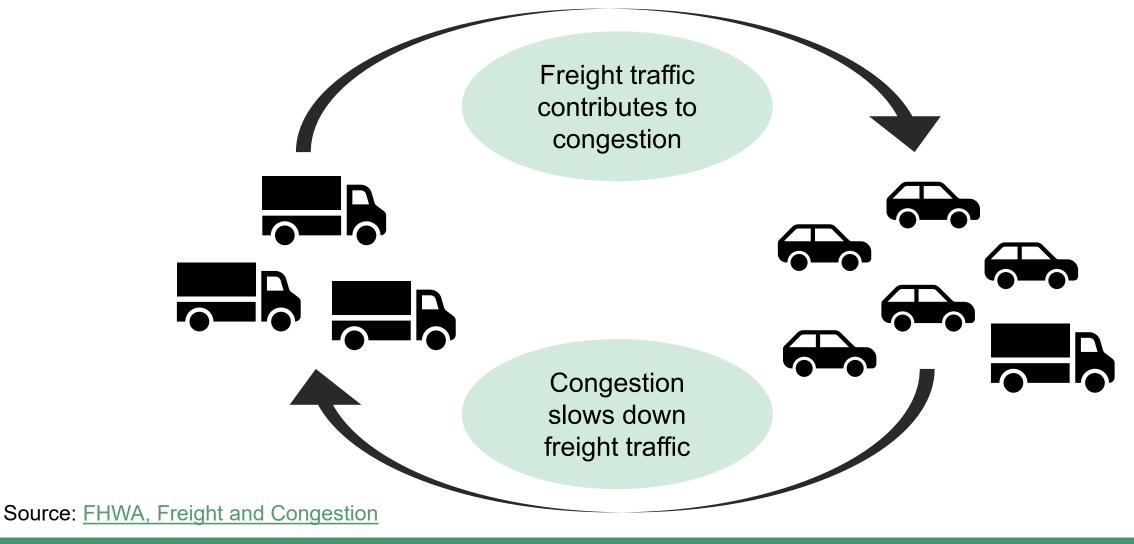


Source: Metro, Regional Travel Demand Model





We need to prepare the interstates for more freight traffic







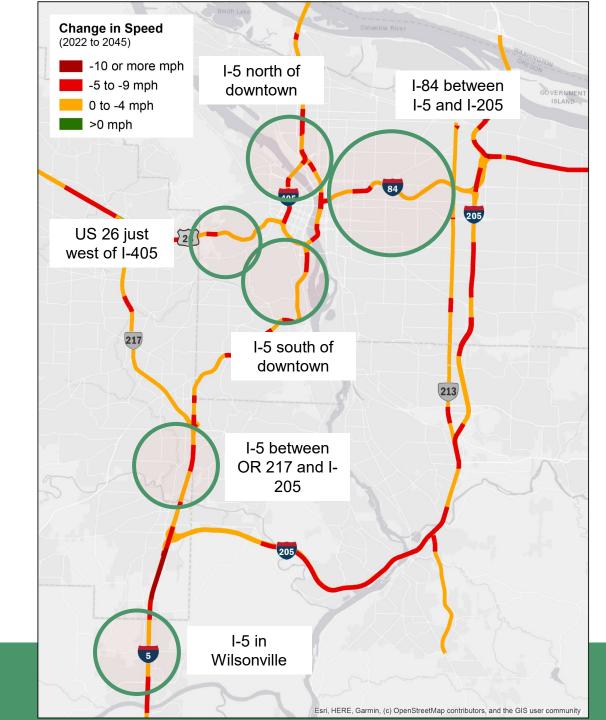
By 2045, peak hour travel speed will decrease on almost all parts of the ODOT system.

Some locations are so congested already that they can't get much worse.

More congestion will spill over onto local streets – this means **more diversion**.

Source: ODOT Statewide Integrated Model





The Urban Mobility Strategy projects work together to improve safety, resiliency, and congestion.

Example: the I-5 Rose Quarter project alone will not eliminate congestion, but combined with regional tolling, travel will be more reliable in the corridor.







Urban Mobility Strategy Map

ODOT Projects

O System Improvement Project

Bike/Ped Crossing Project

Regional Mobility Pricing Project

I-205 Toll Project

Partner Project with ODOT Support

System Improvement Project

Bike/Ped Crossing Project

Bus on Shoulder Pilot

---- TriMet Project

Multimodal/Community Study

Note: Core project names are boxed





The **Urban Mobility Strategy** is a cohesive approach to make everyday travel safer and more efficient in the Portland metropolitan region.

Reduce traffic jams

using congestion pricing with variable-rate tolls

Alleviate highway bottlenecks

with improvement projects

Create new sustainable funding

to preserve and improve the transportation system

Invest

in strategic multimodal transportation improvements

Modernize bridges

to withstand a Cascadia-level earthquake





Thank you!





