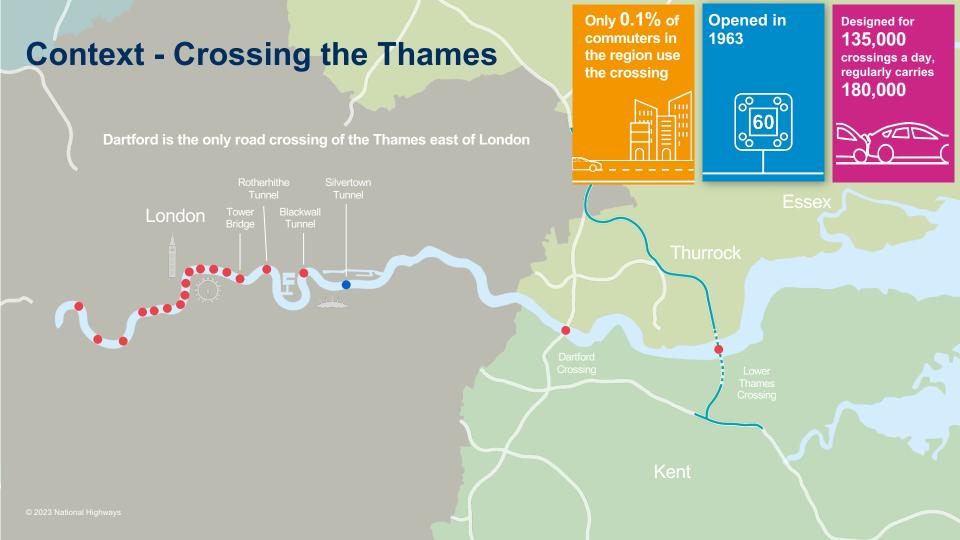


# Lower Thames Crossing

Pathfinder project for carbon neutral construction

November 2023





#### The existing Dartford Crossing is vital for UK freight

Traffic levels are now up to

100%

of pre-pandemic levels

Almost **40%** of vehicles carry goods. About double the national average, and up from 30% in 2019 Significant proportion of all HGV traffic from the Port of Dover and Eurotunnel uses the crossing

XPO

The crossing saw its busiest day ever for HGV traffic in **December** 2020

national

### Dartford is the **worst** performing part of the motorway

### 3hrs

of closed lane per day due to incidents **3,000** incidents per year

Less than 1 in 5 journeys

are within 2 minutes of the optimal journey time\*

take more than five times longer than they should\*



\*data for Northbound weekdays 4-5pm, J3>Crossing, 2018 & 2019

## 4 weeks of closures

of a tunnel per year due to operational interventions

### 1 in 7 journeys

Less than

#### Lower Thames Crossing



**Biggest road project** since the M25 opened 30 years ago



Nearly double road capacity between Kent and Essex



Relieve congestion at Dartford by reducing vehicles using the crossing by 20%



Approximately 14.5 miles (23km) of new road connecting M25, A13 and A2/M2



Two 2.6-mile tunnels – UK's longest road tunnels and world's largest bored tunnels



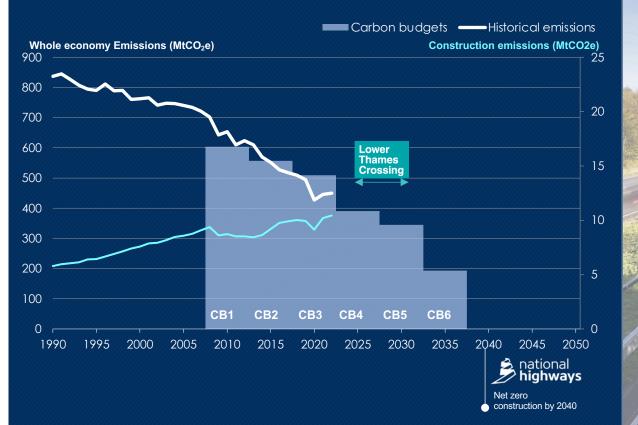
Three lanes in both directions with 70mph speed limit and no restrictions for freight Image for illustrative purposes only. The coloured lines overlaid on the Strategic Road Network represent the origin of journeys made over the Dartford Crossing. The width of the lines represents the volume of traffic. Information is based on data from the Lower Thames Crossing Traffic Area Model.

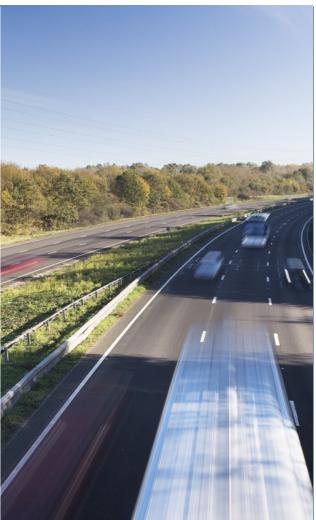
YOK

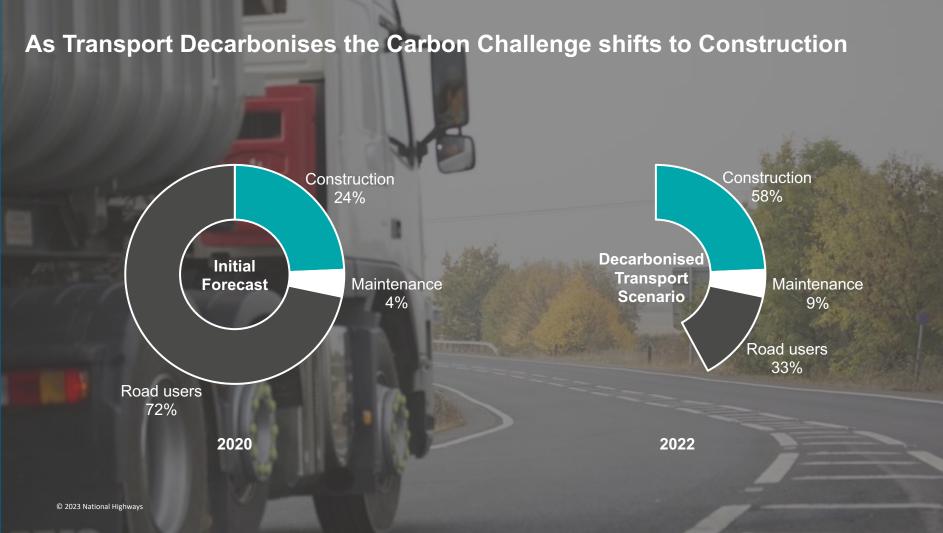
### Dartford Crossing



#### **Challenging delivery context**

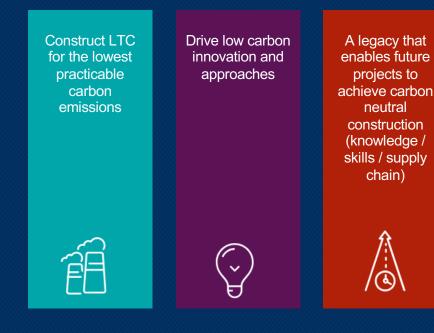






#### Lower Thames Crossing will be the Greenest Road Ever Built

... and a pathfinder for low carbon construction. Our ambitions are to:

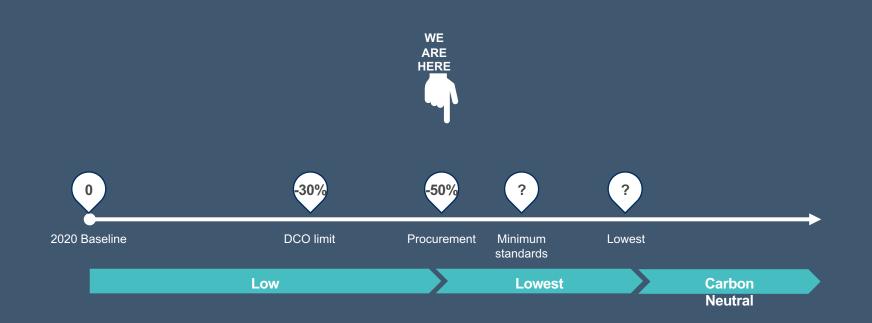




- National Highways is committed to net zero construction & maintenance by 2040
- The timing, scale and location of the Lower Thames Crossing, make it an ideal pathfinder project supporting this objective

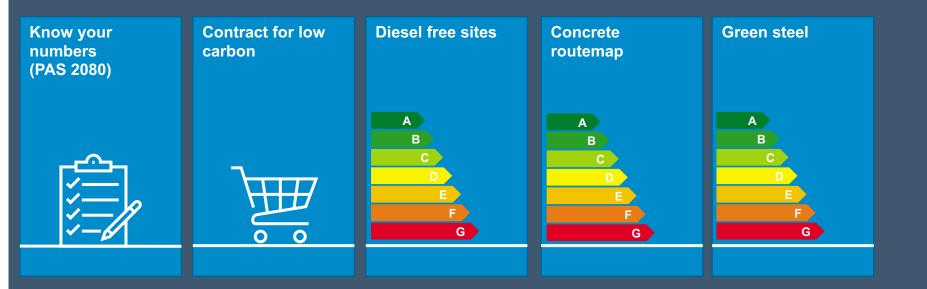


#### Our route to decarbonisation





#### We are encouraging other five clients/projects to join us on the journey.





# **Questions?**

