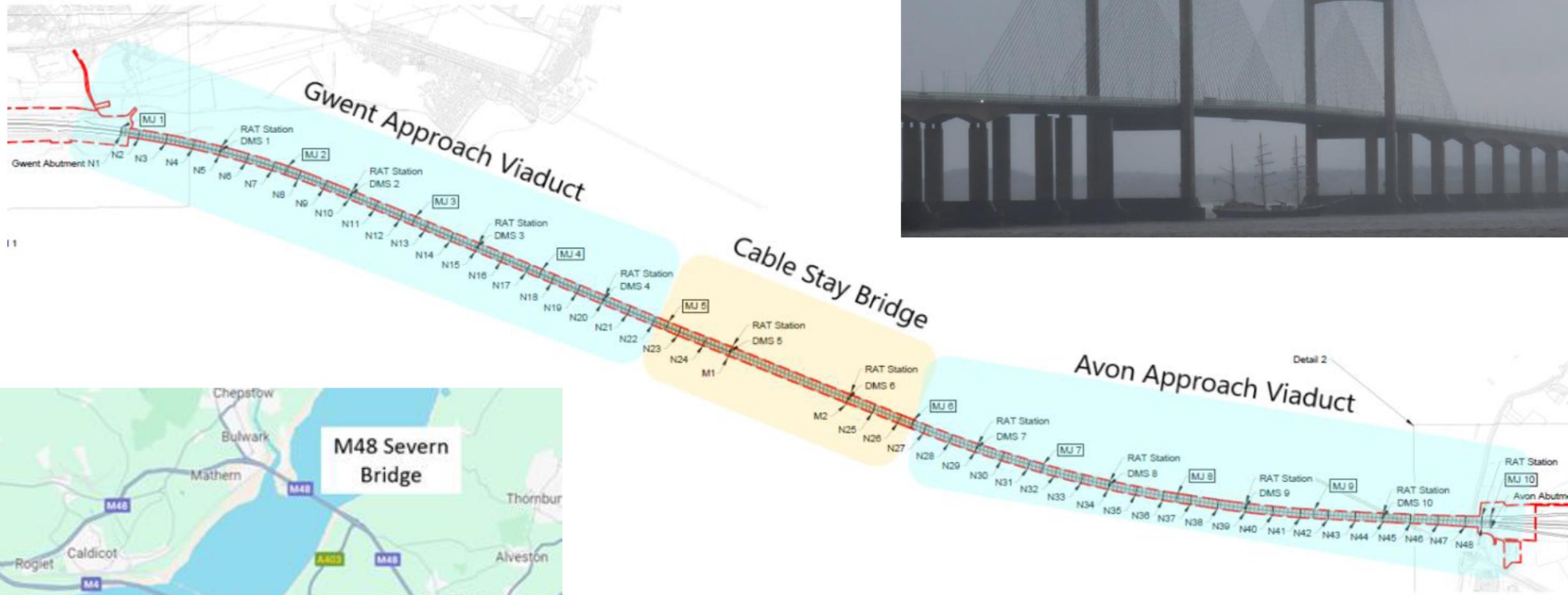


# M4 Prince of Wales Bridge Resurfacing

## MP & MS Briefing

May 2024

# M4 Prince of Wales Bridge



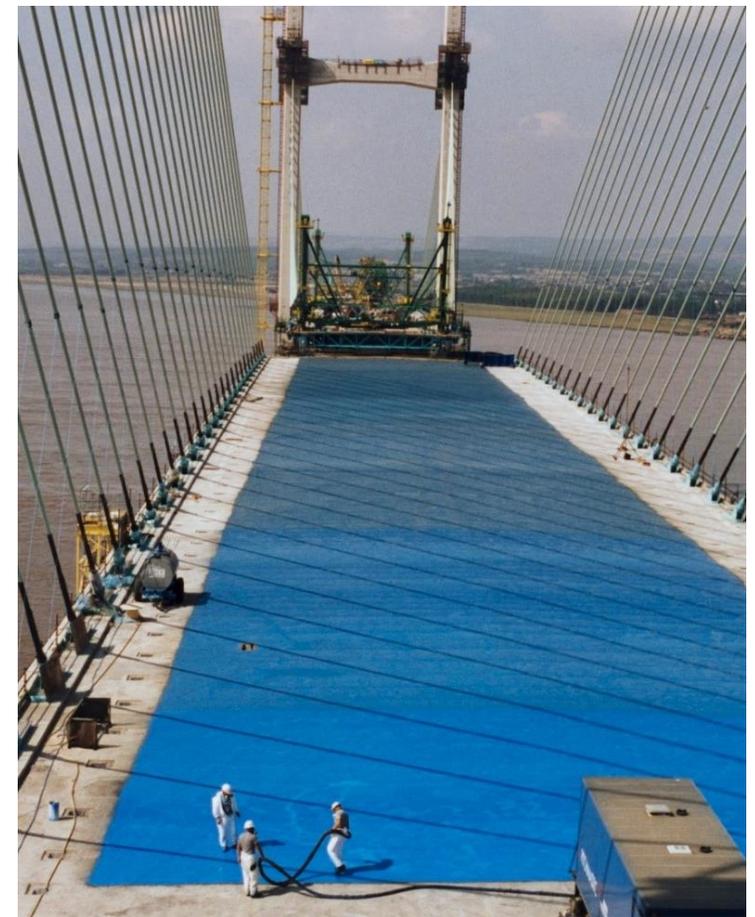
# Why and why now

- First major resurfacing since the M4 bridge opened in 1996
- Needed to avoid unplanned closures - patch repairs to about 20% of the bridge
- It's now time to do major work for long term to sustainability of the bridge
  - Remove existing surfacing & waterproofing layer
  - Inspect the concrete bridge deck
  - Carry out concrete repairs to the bridge deck
  - Apply waterproofing system
  - Resurface (70mm thick)
- Work planned for the summer and early autumn
- Reduces risk of bad weather with M48 Severn Bridge closures for high winds

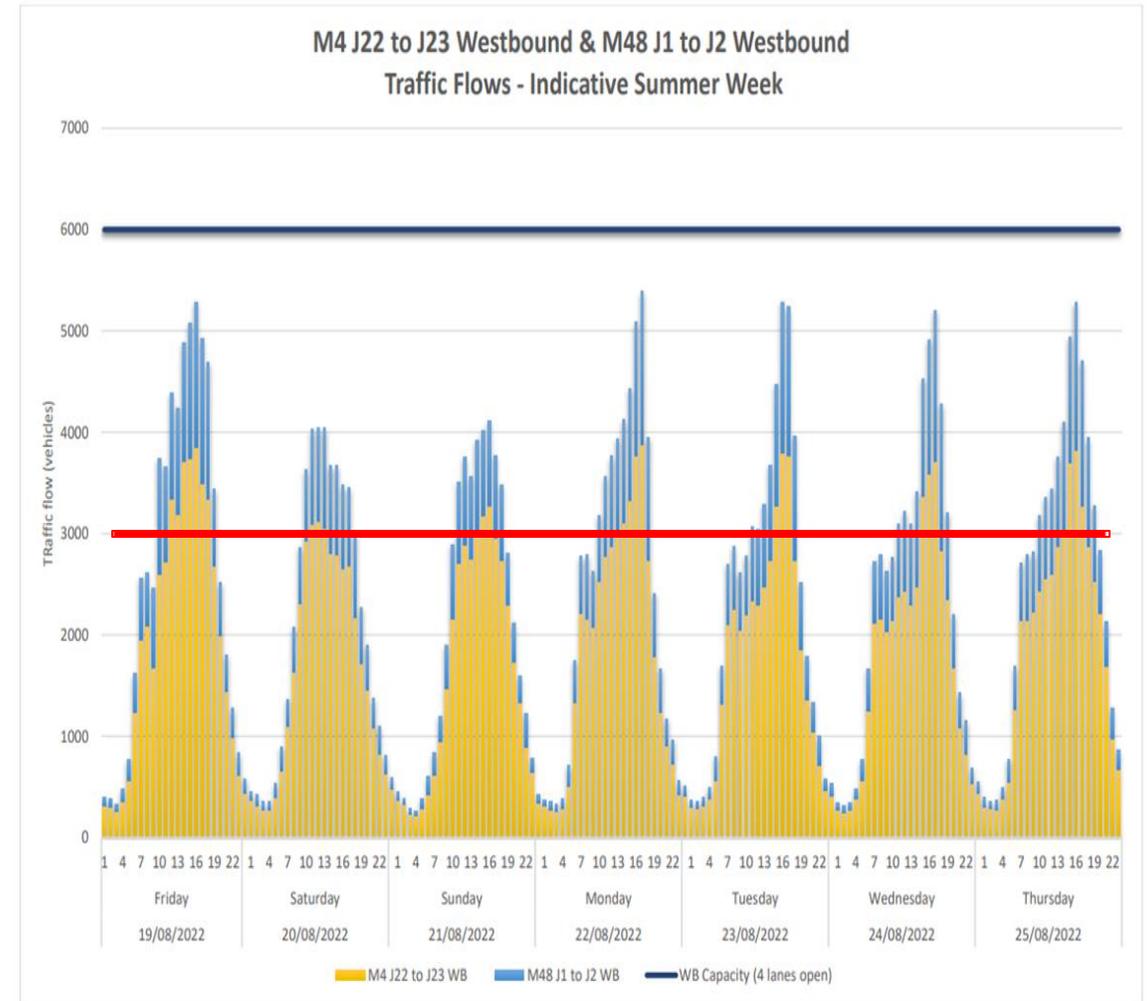
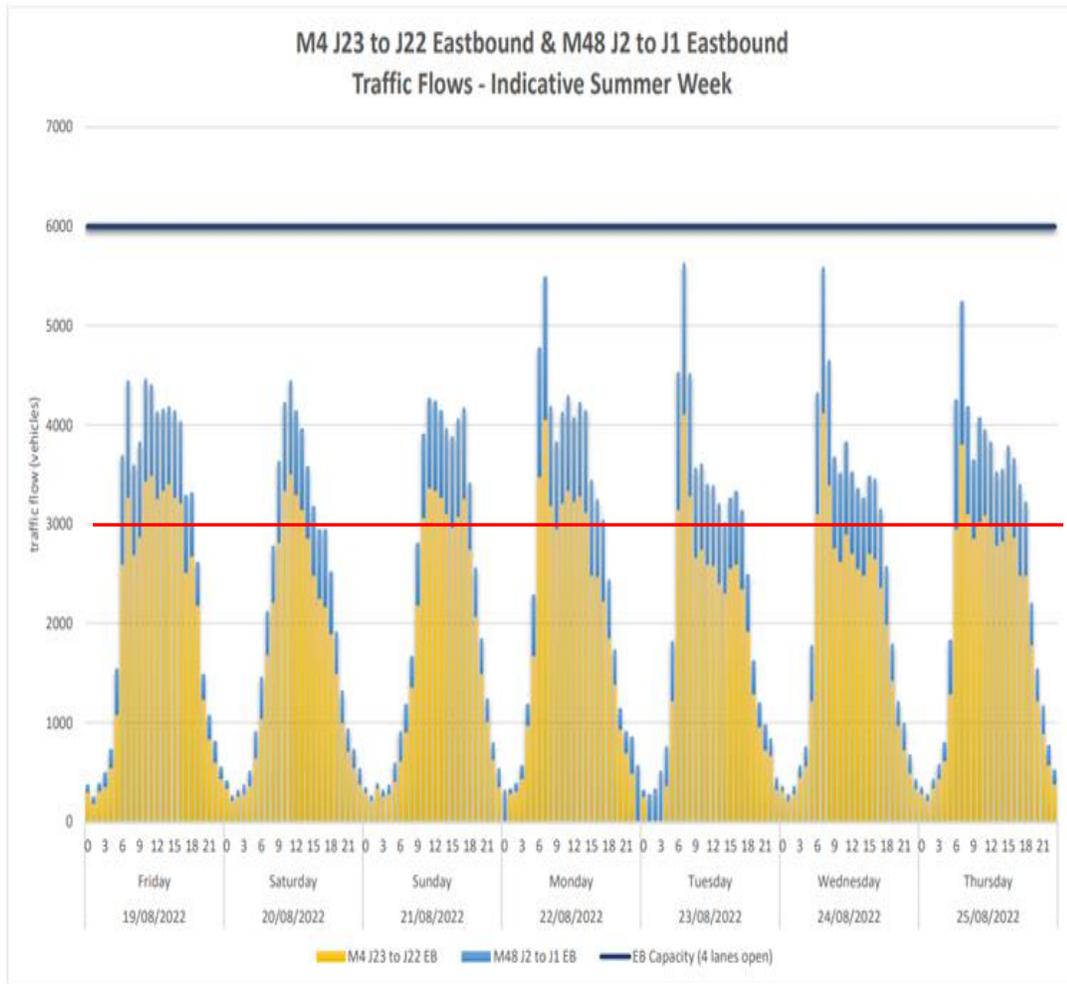


# Traffic Impacts

- Planned work to minimise impact on road users
- 4 of 5 lanes open in both directions during the daytime
- Modelling shows 5 minutes delay but needs good use of all 4 lanes across M4 & M48 bridges
- Some overnight lane closures when traffic flows are lower
- Agreed 4-month programme with some extra costs but better than 8 weeks with very significant traffic delays from daytime bridge closures
- Working with Welsh Government and South Wales Trunk Road Agent to plan works and reduce impact on local events



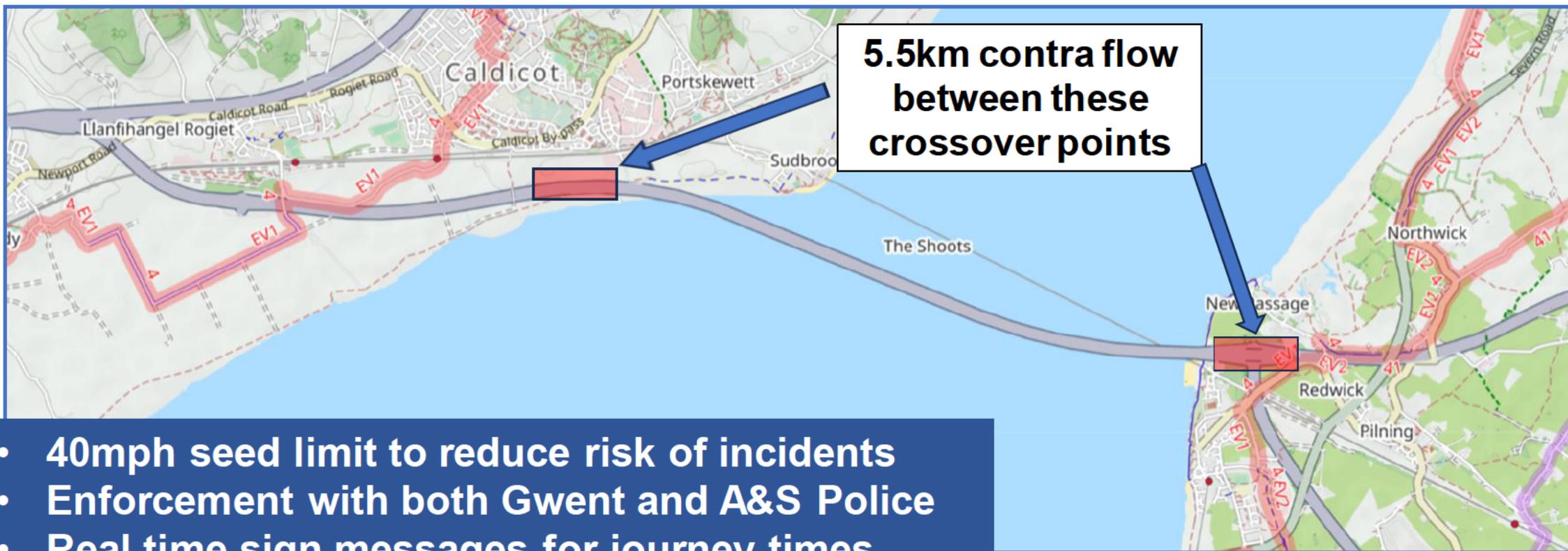
# Traffic flows on M4 & M48



— Black line - 6000 capacity with both bridges operating

— Red line - 3000 capacity if the M48 Severn Bridge is closed

# How we will manage the traffic



- 40mph speed limit to reduce risk of incidents
- Enforcement with both Gwent and A&S Police
- Real time sign messages for journey times
- CCTV monitoring
- Free recovery - both directions

# Impact on Summer Events in Wales

<b>Principality Stadium</b>		
P!NK	Tue 11 June - 5pm	Not affected - work planned for after events
Taylor Swift	Tue 18 June - 5pm	
Foo Fighters	Tue 25 June - 7pm	
Monster Trucks	Sat 6 July - 10am	
Billy Joel	Fri 9 August - 4pm	Limited impact from works 4pm start is before peak flows
Speedway	Sat 17 August - 5pm	Limited impact from works
<b>Chepstow Races</b>		
Shania Twain	Fri 5 July	Not affected - work planned for after events
Tom Jones	Sat 6 July	
Hozier	Tue 9 July	
<b>National Eisteddfod</b>		
Rhondda	3-10 August	Limited impact from work

# Telling our customers

- Significant communications programme
- Building on lessons from M25 closure
- Communications include
  - MP & MS briefings
  - Stakeholders - councils, venues, businesses,
  - Postcard drop to wide area
  - Media briefings
  - Social media updates
  - Dedicated webpage with regular updates
  - <https://nationalhighways.co.uk/our-roads/south-west/m4-prince-of-wales-bridge-resurfacing>



An aerial photograph of a cable-stayed bridge under construction. The bridge spans a wide river. Two tall, white concrete pylons are visible, with numerous stay cables fanning out to support the bridge deck. A yellow tower crane stands on the bridge deck between the pylons. The bridge deck is partially completed, with construction equipment and materials visible. In the background, there are green hills and a town with buildings. The sky is overcast.

**Thank you for your time.**

**Any questions?**