Rijkswaterstaat
Ministerie van Infrastructuur
en Waterstaat

Widening and deepening of the A9 motorway between Badhoevedorp and Holendrecht

Part of the Schiphol-Amsterdam-Almere (SAA) road widening scheme

Amstelveen

16-05-2022

Agenda

1. **Explanatory notes on the project**
2. Review of works
3. How are we building the by-pass?
4. How do we build the cutting?
5. Accessibility & disruption reduction
6. Monitoring and damage
7. How do we maintain contact?

Schiphol-Amsterdam-Almere road widening scheme

Aim:

- Improving accessibility and quality of life on the Schiphol-Amsterdam-Almere corridor

Result:

- Boost to economic developments and employment in the northern part of the Randstad area

A9 Badhoevedorp - Holendrecht project (A9BAHO)

Part of the Schiphol-Amsterdam-Almere road widening scheme

- Reconstruction of 11 km of motorway: from 3 lanes in each direction to 4 lanes in each
- 14 km of noise barriers
- Creation of a 1.6 km cutting, made up of:
  - a 249-metre-long overpass at ‘Oude Dorp’
  - a 249-metre-long overpass at ‘Traverse/Stadshart’
  - an 85-metre-long overpass at ‘Bovenlandpad/Meander’

- 15 motorway crossings, 6 of which are reserved for cyclists and pedestrians
- 6 ‘ecological’ crossings
- A large solar power station delivering enough energy to make the motorway energy neu

Outline overall planning schedule, Amstelveen section

2020 through spring 2023	Road re-profiling, sand deposits for reinforcing by-pass substrate (soil compaction), creation of temporary bridges and construction of temporary A9 by-pass
Spring 2023 through 2024	Creation of cutting for northern carriageway of the A9 (traffic diverted via the A9 by-pass)
2025 through 2026	Creation of cutting for southern carriageway of the A9 (traffic diverted to the cutting for the northern carriageway)
2026	Construction of the three overpasses
End 2026	Widening and deepening complete
2027	Configuration of overpasses and planting of new greenery by municipality of Amstelveen


N
Bovenlandpad/Meander
Traverse/Stadshart
Oude Dorp


N
Oude Dorp

Traverse/Stadshart

Bovenlandpad/Meander

Agenda

1. Explanatory notes on the project
2. **Review of works**
3. How are we building the by-pass?
4. How do we build the cutting?
5. Accessibility & disruption reduction
6. Monitoring and damage
7. How do we maintain contact?

REVIEW OF WORKS

Locality Oude Dorp & Keizer Karelweg


Oude Dorp
N

Remove old foundation piles

April 2022

Install sheet-pile walls

April 2022


Realise temporary noise barrier
May 2022


N
Keizer Karelweg

Hoist temporary pedestrian and cycle bridge into place

December 2021

Realise abutments

January 2022

Realise abutments

January 2022

Move Burgemeester Rijnderslaan

April 2022

ANIMATION: Traffic DDI with Bert Jan and Michiel

Agenda

1. Explanatory notes on the project
2. Review of works
3. **How are we building the by-pass?**
4. How do we build the cutting?
5. Accessibility & disruption reduction
6. Monitoring and damage
7. How do we maintain contact?

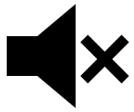
In 2022/2023 we realise the by-pass

The by-pass: temporary carriageways on the south side of the A9

The by-pass will be finished at approximately the same position as the current A9

The construction of the by-pass makes it possible to keep the junction 5 slip-roads open

The by-pass will be laid using extra-quiet asphalt (dual-layer ZOAB highly porous hot-rolled asphalt)

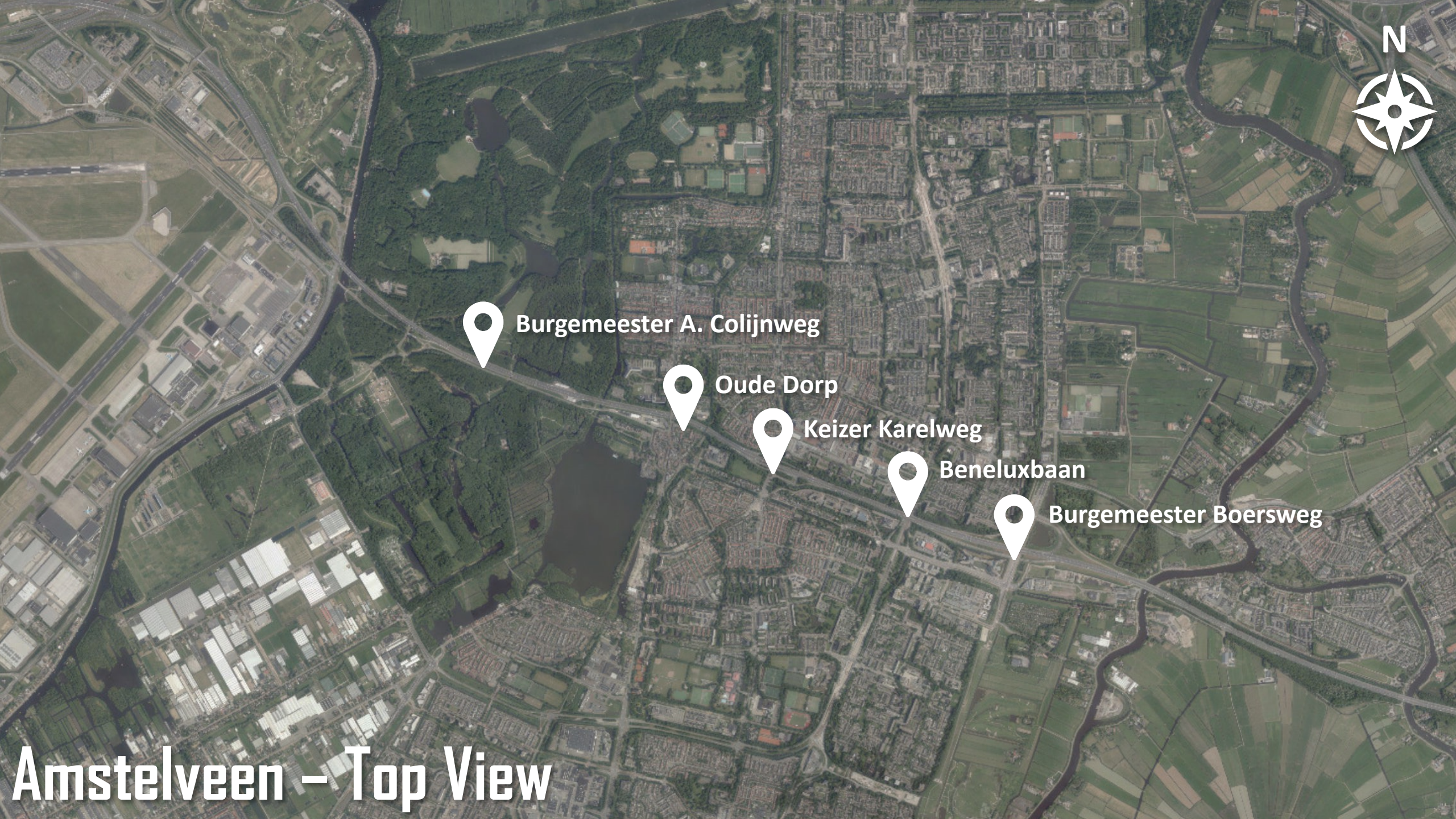


Temporary noise barriers will be erected along the by-pass. The height per location depends on the distance to dwellings

The by-pass will be commissioned in the spring of 2023

The by-pass: temporary carriageways on the south side of the A9

The by-pass: temporary carriageways on the south side of the A9

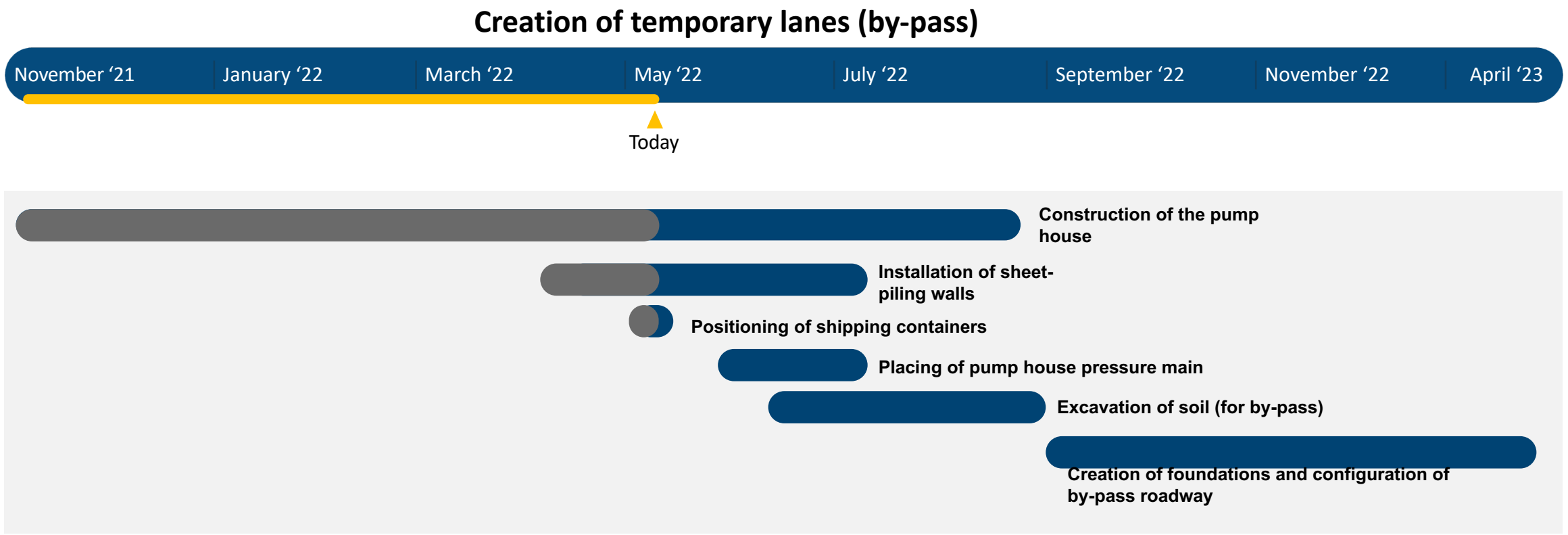


Amstelveen – Top View

HOW ARE WE BUILDING THE BY-PASS?

Locality of Oude Dorp

Locality of Oude Dorp – How are we building the by-pass?



Locality of Oude Dorp – How are we building the by-pass?

Locality of Oude Dorp – How are we building the by-pass?

A pump house is needed to keep the A9 dry during heavy rainfall

The pump house will be moved a few metres to the south to make room for the by-pass

We will remove the old pump house when the new one is in use

November ‘21 | January ‘22 | March ‘22 | May ‘22 | July ‘22 | September ‘22 | November ‘22 | ‘23

Locality of Oude Dorp – How are we building the by-pass?

Rainwater is drained through a subsurface main

Placing of the new main will cause traffic disruption

November ‘21 | January ‘22 | March ‘22 | May ‘22 | July ‘22 | September ‘22 | November ‘22 | ‘23

Locality of Oude Dorp – How are we building the by-pass?

We are installing shipping containers to replace the current A9 noise barrier

Behind the shipping containers, sheet-pile walls are being placed. These hold the by-pass in place

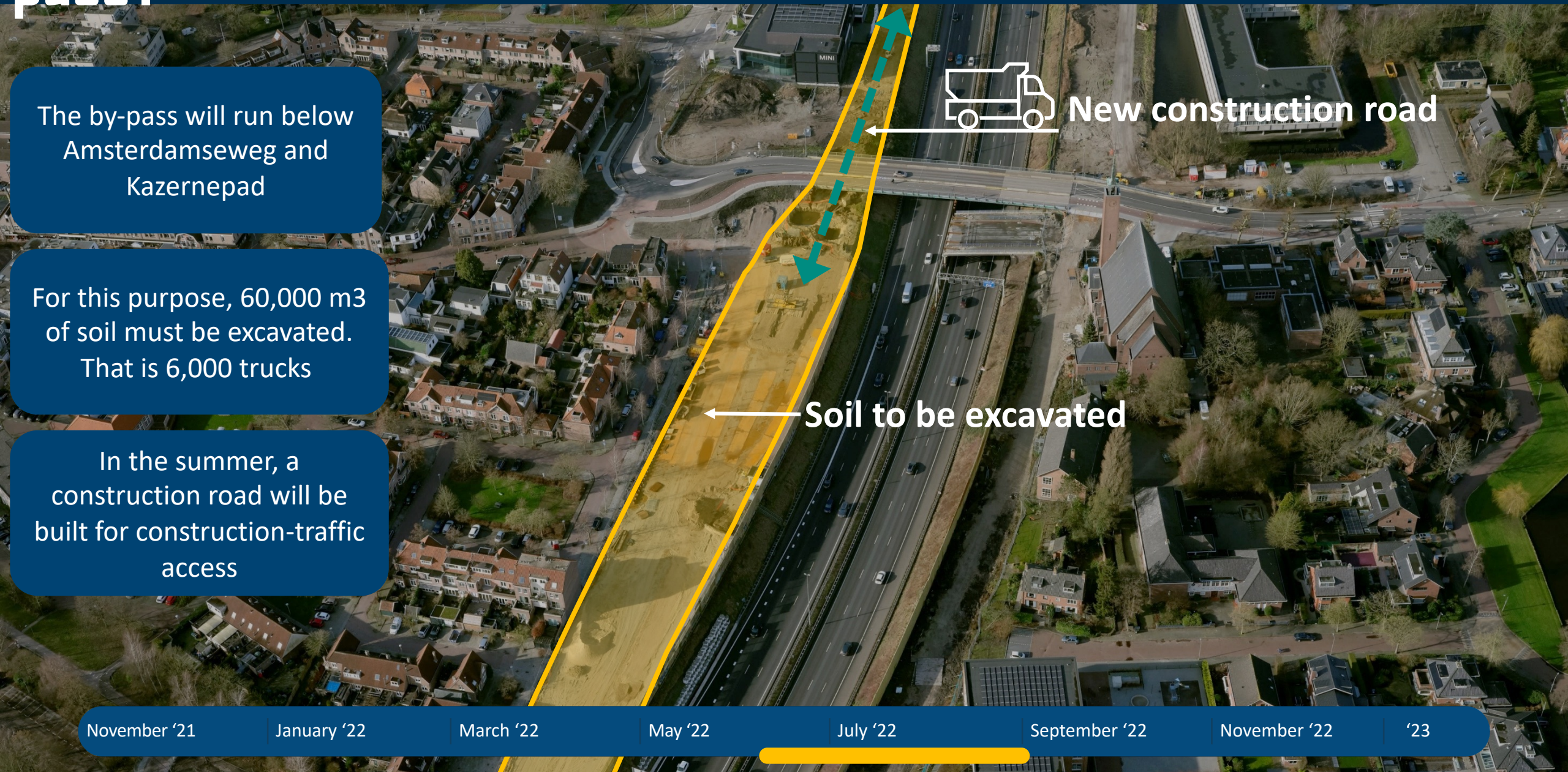
The current noise barrier will be removed, including foundations

Locality of Oude Dorp – How are we building the by-pass?

The by-pass will run below Amsterdamseweg and Kazernepad

For this purpose, 60,000 m3 of soil must be excavated. That is 6,000 trucks

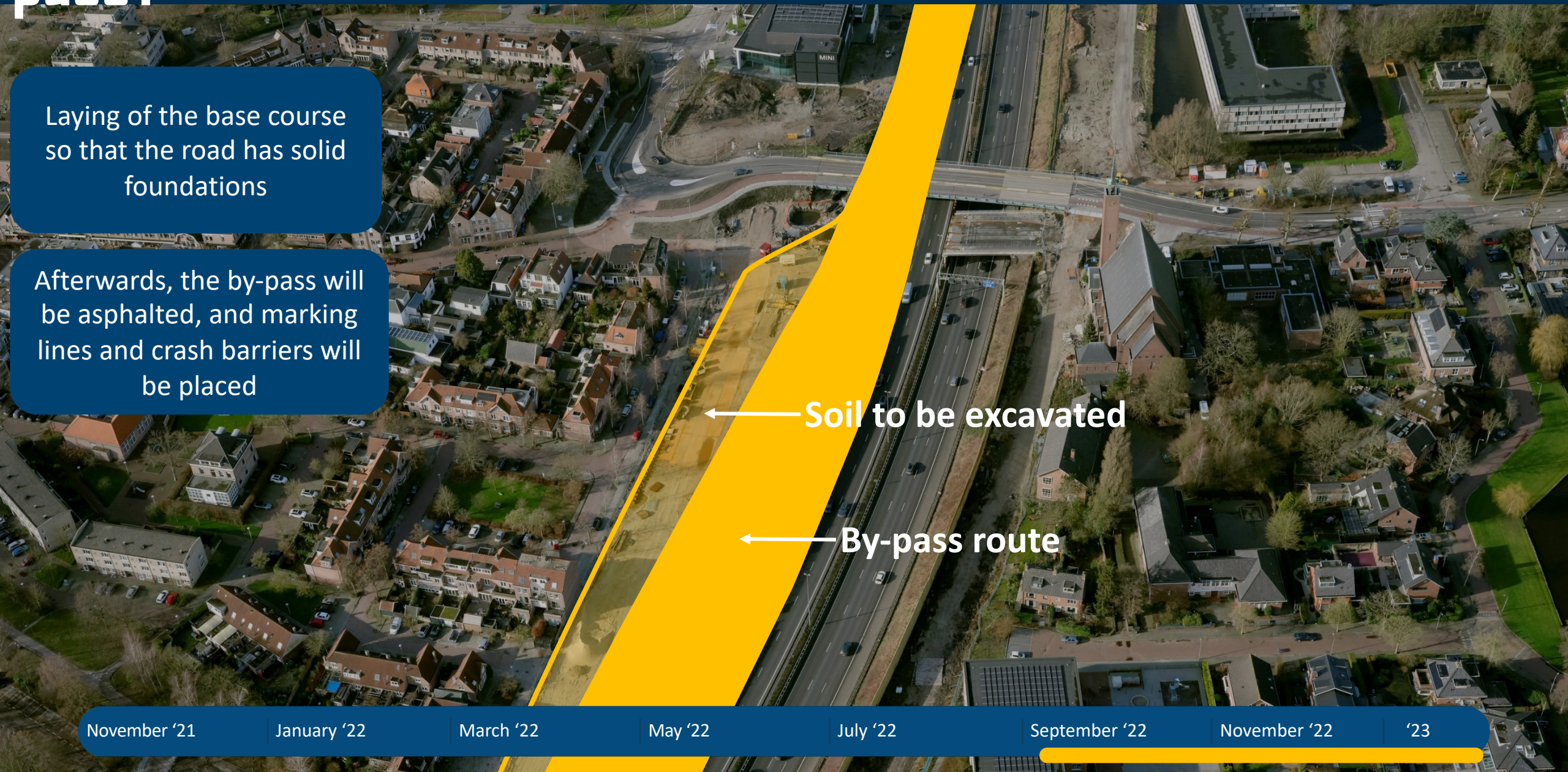
In the summer, a construction road will be built for construction-traffic access



Locality of Oude Dorp – How are we building the by-pass?

Laying of the base course so that the road has solid foundations

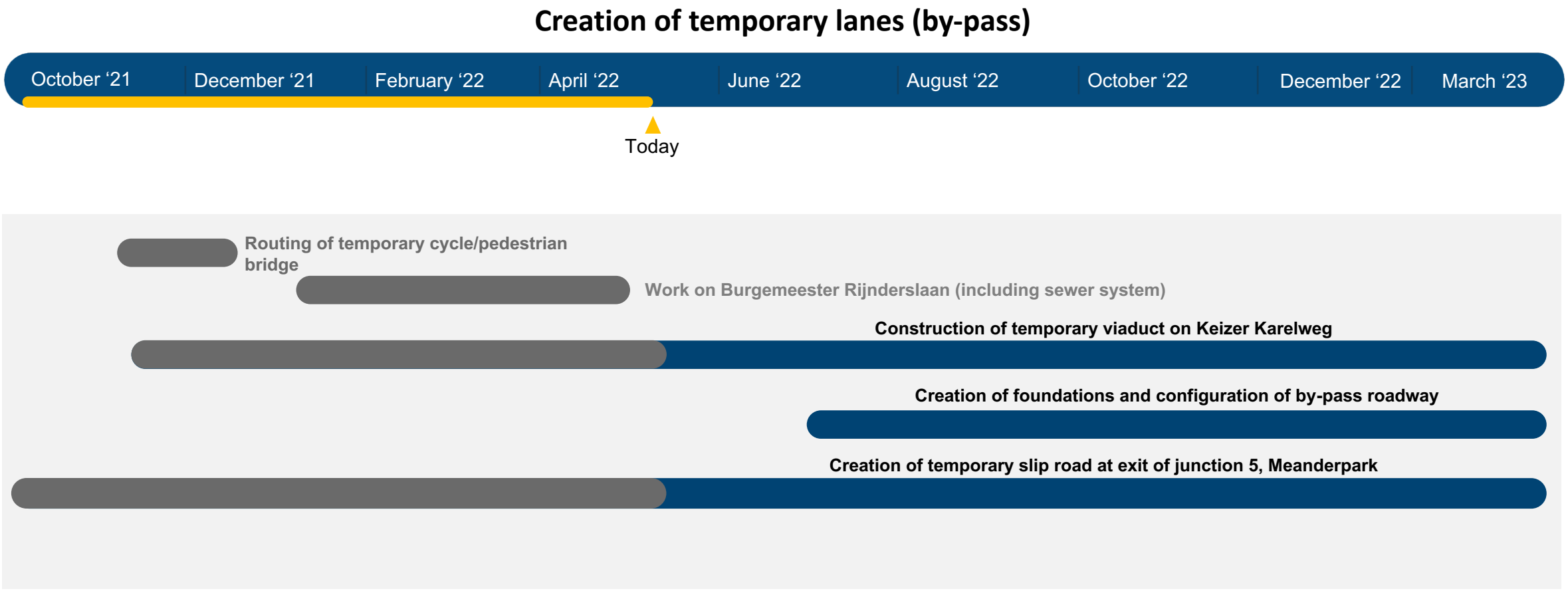
Afterwards, the by-pass will be asphalted, and marking lines and crash barriers will be placed



HOW ARE WE BUILDING THE BY-PASS?

Locality of Keizer Karelweg

Locality of Keizer Karelweg – How are we building the by-pass?



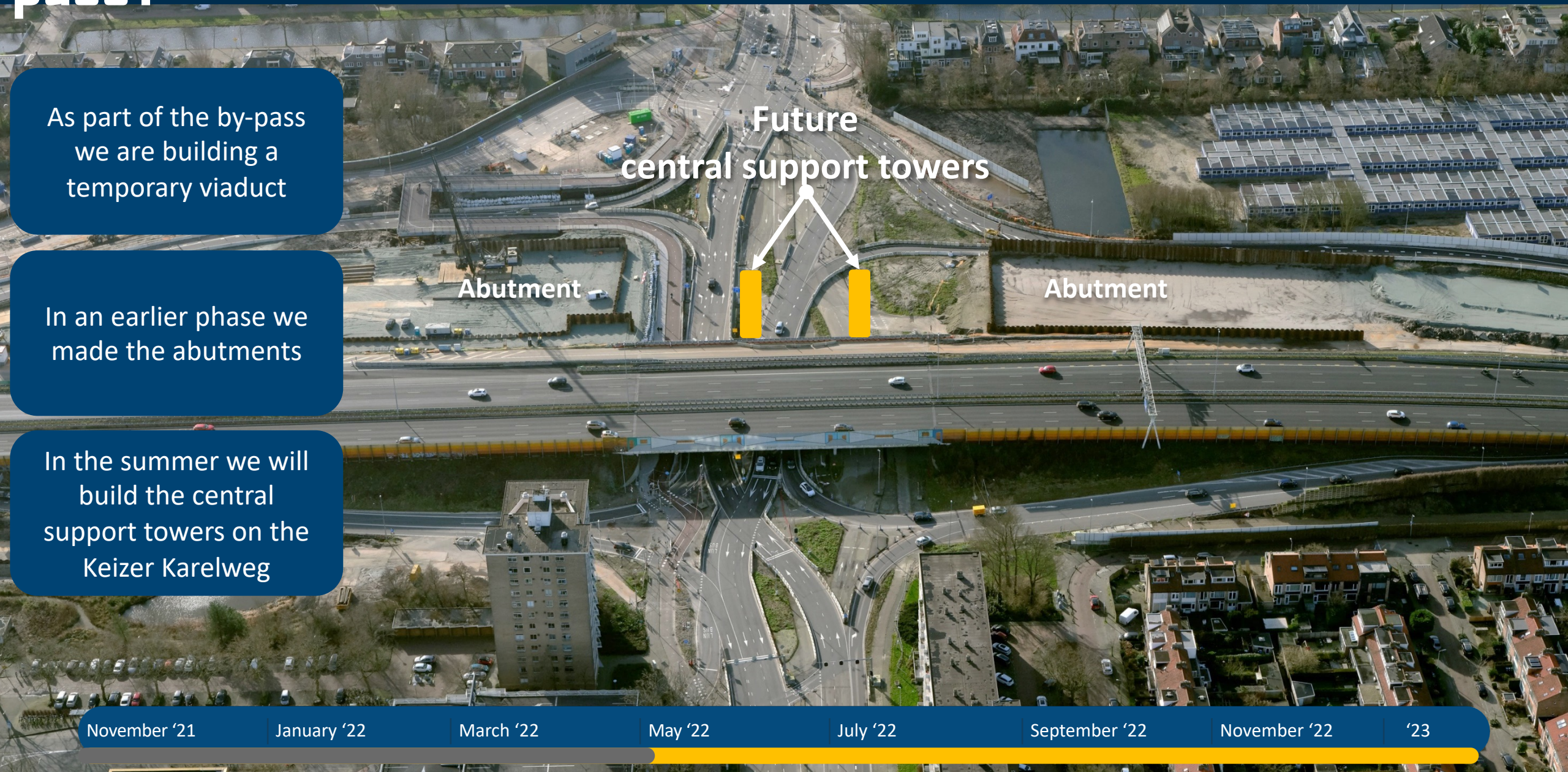
Locality of Keizer Karelweg – How are we building the by-pass?

Locality of Keizer Karelweg – How are we building the by-pass?

As part of the by-pass we are building a temporary viaduct

In an earlier phase we made the abutments

In the summer we will build the central support towers on the Keizer Karelweg



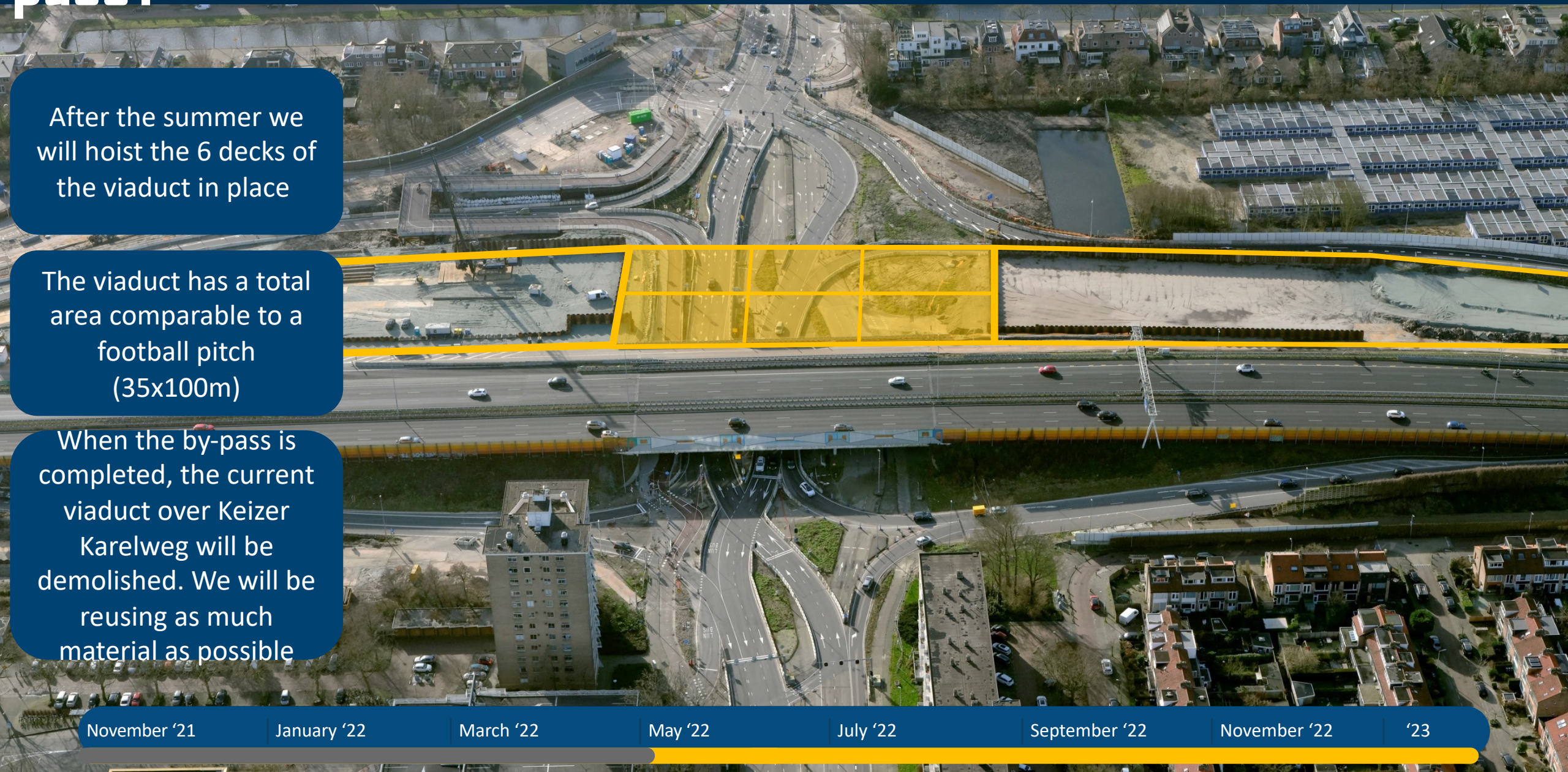
November ‘21 | January ‘22 | March ‘22 | May ‘22 | July ‘22 | September ‘22 | November ‘22 | ‘23

Locality of Keizer Karelweg – How are we building the by-pass?

After the summer we will hoist the 6 decks of the viaduct in place

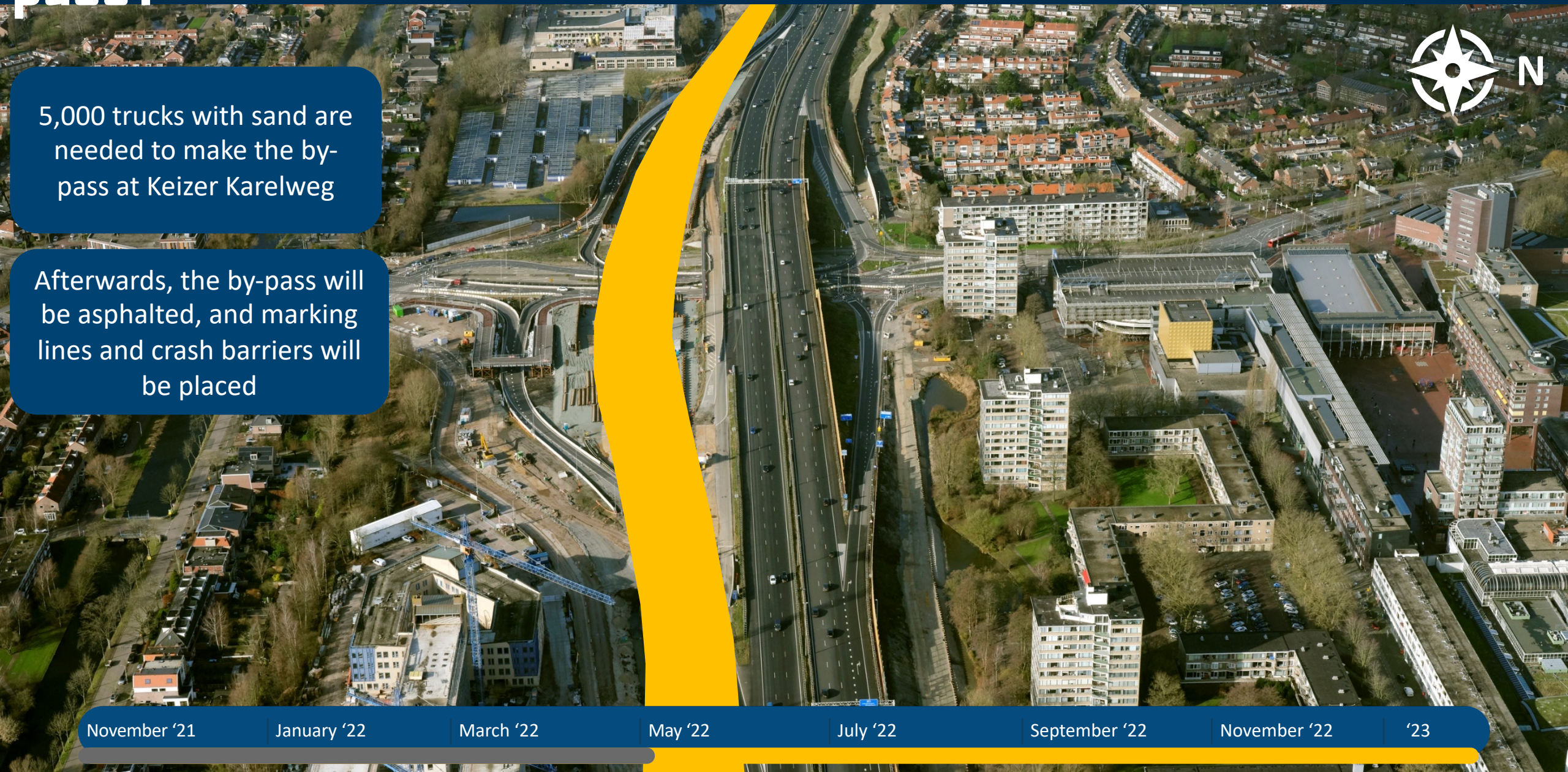
The viaduct has a total area comparable to a football pitch (35x100m)

When the by-pass is completed, the current viaduct over Keizer Karelweg will be demolished. We will be reusing as much material as possible



November ‘21 | January ‘22 | March ‘22 | May ‘22 | July ‘22 | September ‘22 | November ‘22 | ‘23

Locality of Keizer Karelweg – How are we building the by-pass?



5,000 trucks with sand are needed to make the by-pass at Keizer Karelweg

Afterwards, the by-pass will be asphalted, and marking lines and crash barriers will be placed

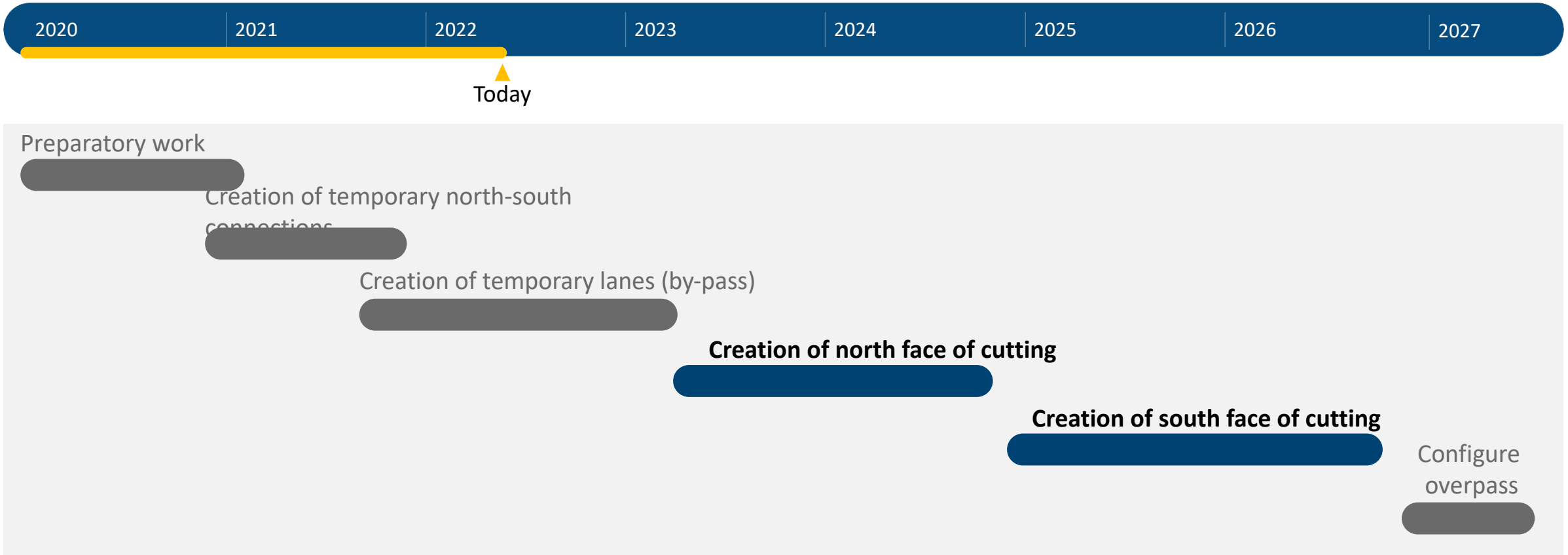
November ‘21 | January ‘22 | March ‘22 | May ‘22 | July ‘22 | September ‘22 | November ‘22 | ‘23

ANIMATION: Driving over the Bypass

Agenda

1. Explanatory notes on the project
2. Review of works
3. How are we building the by-pass?
4. **How do we build the cutting?**
5. Accessibility & disruption reduction
6. Monitoring and damage
7. How do we maintain contact?

Building the cutting



ANIMATION: How are we building the cutting?

Agenda

1. Explanatory notes on the project
2. Review of works
3. How are we building the by-pass?
4. How do we build the cutting?
5. **Accessibility & disruption reduction**
6. Monitoring and damage
7. How do we maintain contact?

Accessibility of Amstelveen during A9 construction

Junction 5 Amstelveen-Stadshart available

The A9 will remain accessible to traffic except for a few nights and weekends

1. Amsterdamseweg
2. Kazernepad (pedestrian/cycle access)
3. Keizer Karelweg
4. Beneluxbaan
5. Burgemeester Boersweg

Disruption-reducing measures

Reversing beeps are replaced with ‘white noise’ wherever possible

We aim to fit all tipper trucks with rubber studs

In built-up areas we are pre-drilling long sheet-pile walls for the cutting

The foundation piles for the cutting will be drilled instead of driven. This results in considerably less noise pollution

ANIMATION: Water compensation

Agenda

1. Explanatory notes on the project
2. Review of works
3. How are we building the by-pass?
4. How do we build the cutting?
5. Accessibility & disruption reduction
6. **Monitoring and damage**
7. How do we maintain contact?

Monitoring and damage

- 2020: around 2,200 structural baseline surveys will (largely) be carried out in order to record the structural state in advance of the work

- From 2020 - 2026: work with the potential for disruption
  - Round-the-clock monitoring to reduce the risk of damage and prevent serious damage
  - 69 level indicators to take groundwater readings
  - Vibration meters to take readings of vibrations in the walls of re
  - Where readings exceed acceptable levels:
    - this must be reported immediately
    - the causes must be pinpointed
    - depending on the risk, decide whether to stop or continue, possibly using alternative methods

- The final structural surveys will be carried out in 2026/2027

What to do in the event of damage

- If you see damage that was not apparent before the start of the work, please fill in a damage form and send it to: www.bezoekerscentrum.rijkswaterstaat.nl
  - If you have cause for concern in the event of serious vibrations, for example, please phone 0800-8002. We will contact you to come by.

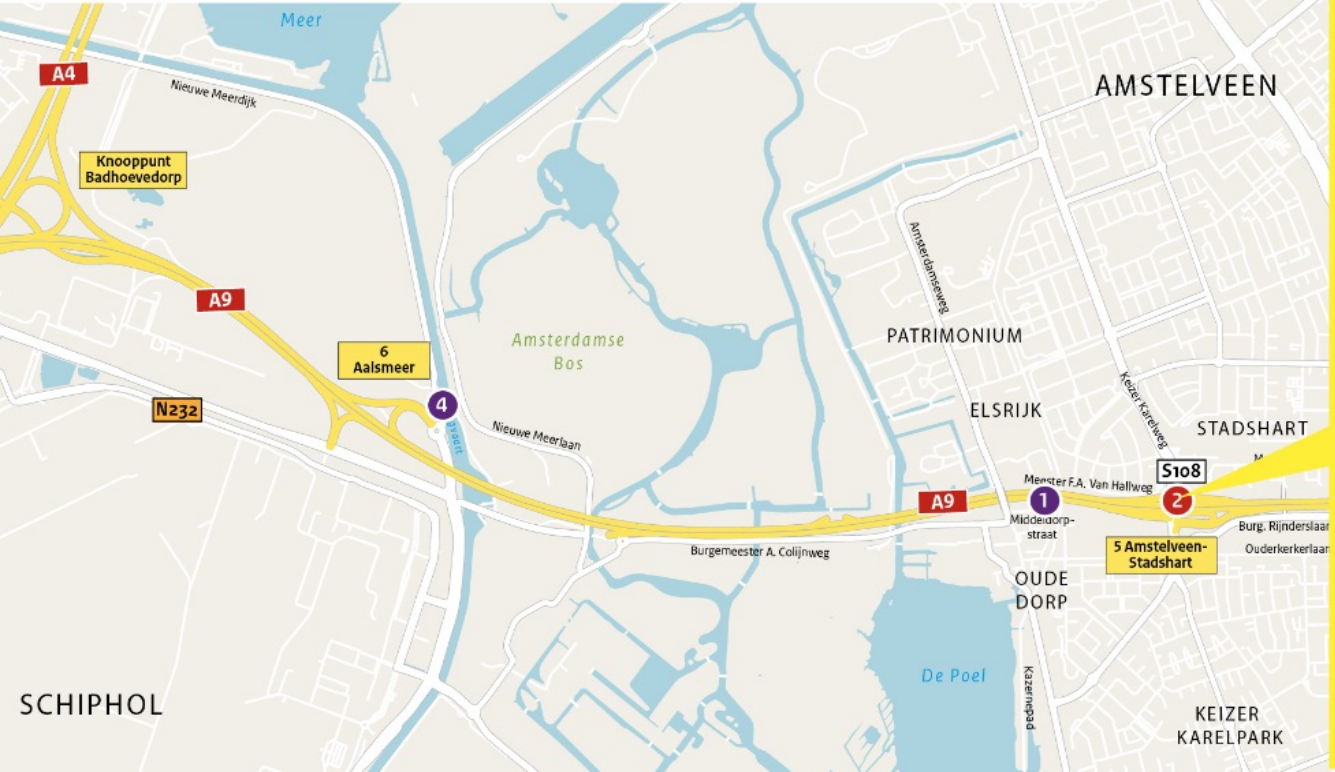
- In the event of a report of damage, BouwVisie BV will assess the damage on site, making a decision on whether or not an emergency repair is necessary, estimating the costs of repair and considering whether there is a chance that the damage was caused by the work.
  - Damage caused by the project will be reimbursed as shown below:
    - In the event of damage < € 5,000 a general investigation into the existence of a causal link (92% of cases in A9 GDW project < € 5,000)
    - In the event of damage > € 5,000 standard investigation into existence of a causal link
  - Damage that was clearly not caused by work on the project will not be reimbursed.

How do we keep you informed?

Live disruption map: When is there going to be noise pollution and/or traffic disruption in my area?

www.bezoekerscentrum.rijkswaterstaat.nl

Verbreding en verdiepte aanleg A9 Badhoevedorp-Holendrecht:
actuele hinderkaart



18 april – 9 mei 2022: Verkeershinder Keizer Karelweg ter hoogte van de A9

Tussen maandag 18 april en maandag 9 mei is de Keizer Karelweg ter hoogte van de A9, van zuid naar noord Amstelveen, twee weekenden afgesloten en de overige dagen beperkt beschikbaar voor gemotoriseerd verkeer. VeenIX verlegt in deze periode de riolering onder de Keizer Karelweg.

Werkzaamheden Keizer Karelweg
Voor het verleggen van de riolering moet de Keizer Karelweg deels worden afgesloten. Om het werk veilig uit te kunnen voeren en het verkeer zo min mogelijk te hinderen, voeren we deze werkzaamheden zoveel mogelijk in de avond, nacht, het weekend of vakantieperiode uit. De werkzaamheden bestaan onder andere uit graafwerkzaamheden en het verwijderen van asfalt. Dit laatste wordt uitgevoerd tijdens de twee weekendafsluitingen.

Lees meer:

Amstelveen InZicht Experience Centre

Pay a visit to the Amstelveen InZicht Experience Centre, Stadsplein 103 in Amstelveen (above the library and Venstra bookshop):

- Learn about the work, the planning schedule and the future situation of the A9 and the Stadshart
- Watch videos and look at photos, maps and presentations about the works
- Employees of VeenIX, the municipality and Rijkswaterstaat are there.

Open Wednesday to Friday from 12.00 noon – 5.00 p.m. You may also visit the viewpoint at the Kazernepad during these opening hours. You will have a wonderful view of the work from there.

Additionally:

- On our on-line visitor centre www.bezoekerscentrum.rijkswaterstaat.nl
- You can apply for the monthly A9BAHO digital newsletter. This has all the latest developments on how work is progressing on the A9BAHO project. Sign up at the information market tomorrow or via the on-line visitor centre
- Follow us on social media:  RWS_SAA  RWSSAA  Bezoekerscentrum SAA (SAA Visitor centre)
- And you can call the RWS national information line on 0800-8002, or contact us by e-mail at: A9badhoevedorp-holendrecht@rws.nl or 08008002@RWS.nl
- Come to the (on-line) information meetings or take part in the cycle tours of the work.
  Sign up at the information market tomorrow or via the on-line visitor centre

‘Dag van de Bouw’ open day: Saturday, 18 June from 12:00 noon to 5:00 p.m.

Visit the ‘Dag van de Bouw’ open day and learn from the men and women of the construction site, Rijkswaterstaat and the municipality about the A9 and Stadshart works.

<u>Activities at and in Amstelveen InZicht and the viewpoint (Kazernepad):</u>

- Start of guided tours (by bicycle) (registration required)
- See large and impressive construction machines
- Course with carts for children
- Kilos of Lego
- And much more...

Keep an eye on our on-line visitor centre for the exact programme.