



Rijkswaterstaat
Ministerie van Infrastructuur
en Waterstaat



Widening and deepening of the A9 Badhoevedorp- Holendrecht

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

Amstelveen





Agenda

1. What the project involves
2. Creation of temporary bridges at Kazernepad and Amsterdamseweg
3. Reconfiguring of Keizer Karelweg
4. Road works on the horizon
5. Monitoring and damage
6. Municipality of Amstelveen



Schiphol-Amsterdam-Almere road widening scheme

Aim:

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

Result:

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





A9 Badhoevedorp – Holendrecht (A9BAHO) project

Part of the Schiphol-Amsterdam-Almere road widening scheme

- Reconstruction of 11 km of motorway: from two 3-lane carriageways to two 4-lane carriageways
- 14 km of noise barriers
- Creation of a 1.6 km-long cutting, including:
 - 249 m-long overpass at “Oude Dorp”
 - 249 m-long overpasses at “Traverse/Stadshart”
 - 85 m-long overpass at “Bovenlandpad/Meander”
- 15 motorway crossings, 6 of which are reserved for cyclists and pedestrians
- 6 ‘ecological’ crossings
- Large solar power station to make the motorway energy neutral



Outline overall planning schedule, Amstelveen section

2020 - 2022 realigning roads, depositing sand for soil compaction, construction of temporary bridges, creation of temporary A9 by-pass

2022 - 2024 excavation of cutting for north (westbound) carriageway of A9 (traffic diverted to use A9 by-pass)

2024 - 2026 excavation of cutting for south (eastbound) carriageway of A9 (traffic diverted into cutting for north carriageway)

2025 - 2026 construction of the three overpasses and the bridge of trees

End of 2026 road widening and cutting complete

2027 configuration of overpasses and replanting by Municipality of Amstelveen

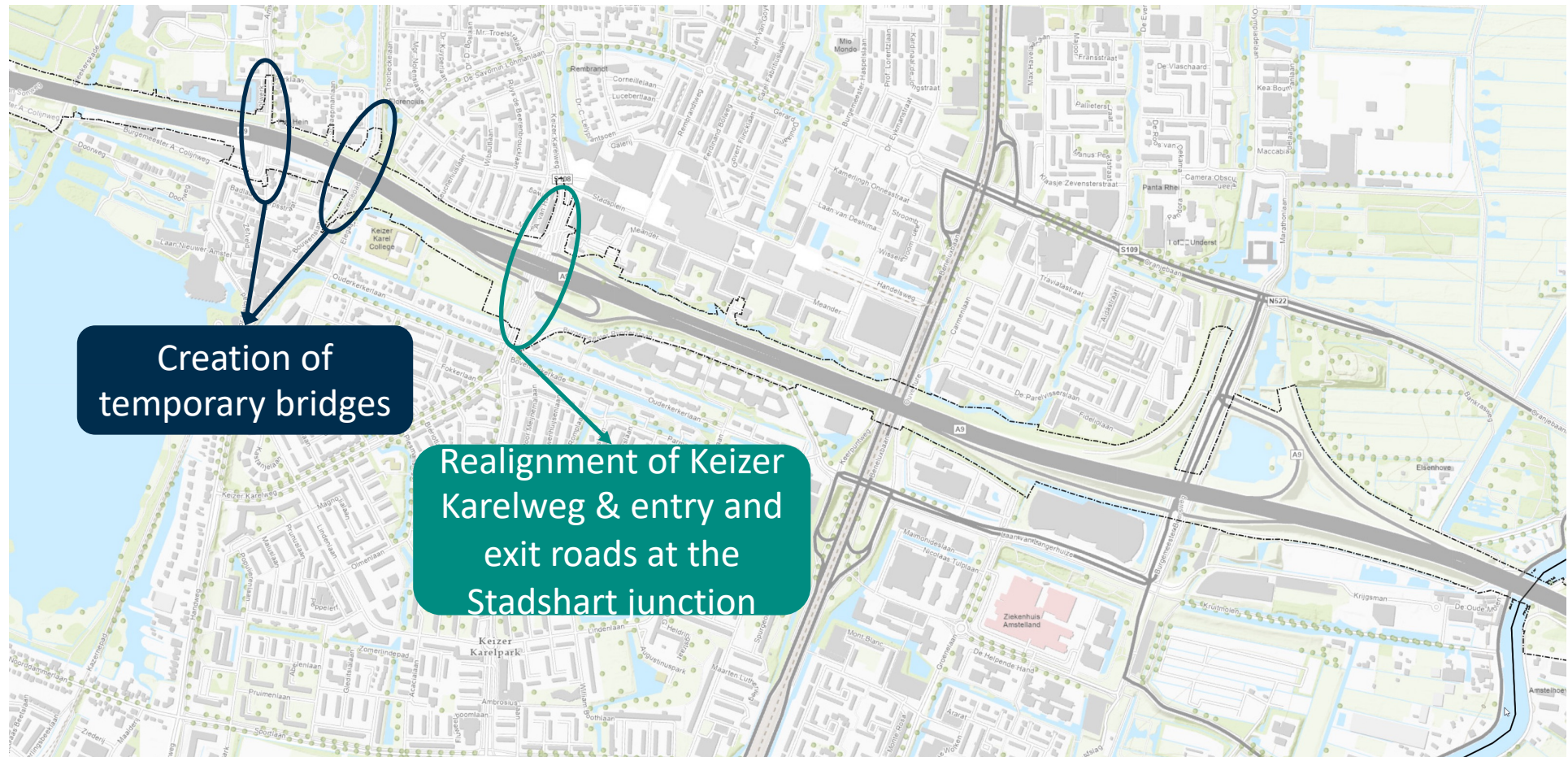


***Buurbouw*: construction period gives surrounding area opportunities**

- Temporary platform, for the duration of the construction period of the A9BAHO project, in which Rijkswaterstaat, the contractor VeenIX and the Municipality of Amstelveen facilitate initiatives from residents and business leaders from the surrounding area.
- For instance: using vacant spaces, kilometre after kilometre of construction hoardings, building construction workers as potential customers, lots of knowledge, materials, sand, rubble and machinery, work experience placements, space for exhibitions or displays (a vantage point), digging out shrubs and bushes for your own use, etc. etc.
- In that way, Buurbouw can be beneficial to residents and businesses in Amstelveen during the construction work.
- If you have an idea, then go to www.buurbouw.nl or send an e-mail to post@buurbouw.nl

Accessibility of north and south Amstelveen during construction

Summer 2021: Construction of temporary connections between north and south Amstelveen at the Amsterdamseweg, Kazernepad and Keizer Karelweg.



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Example of a temporary bridge

At the Amsterdamseweg and Kazernepad.

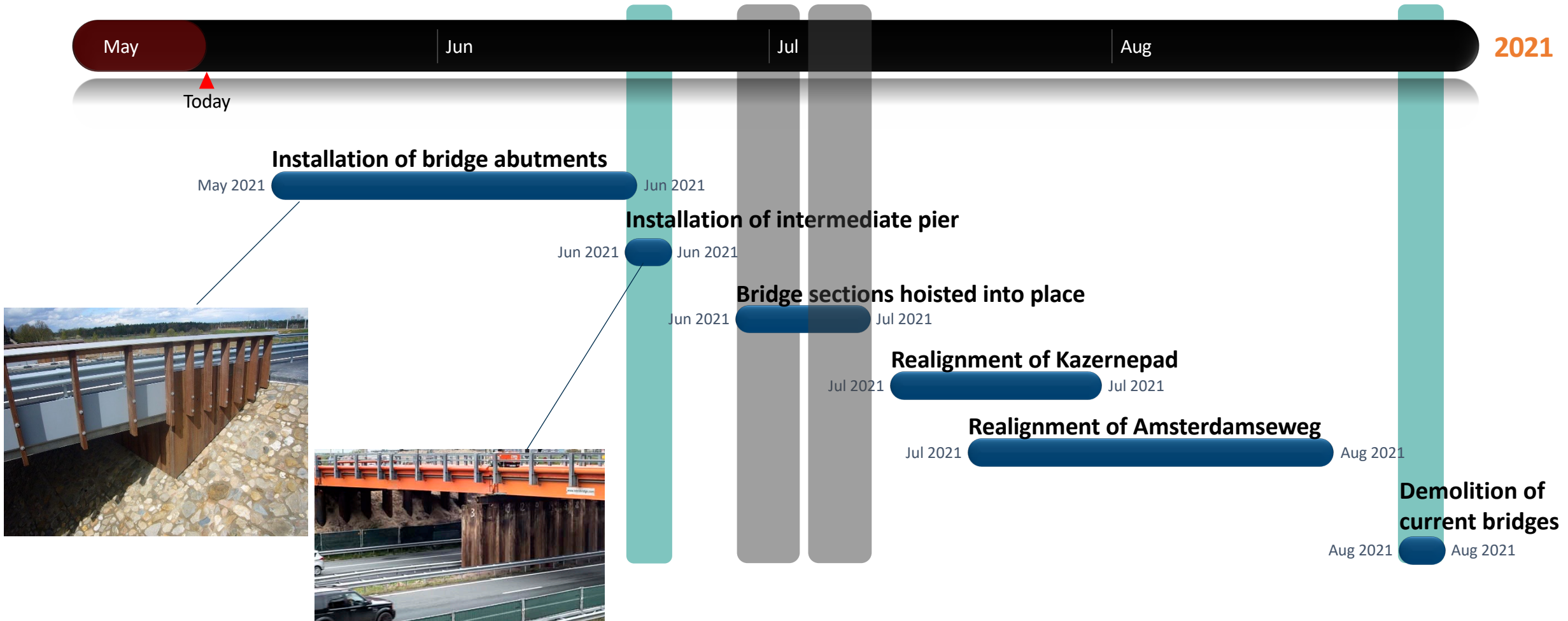


Weekend

Night

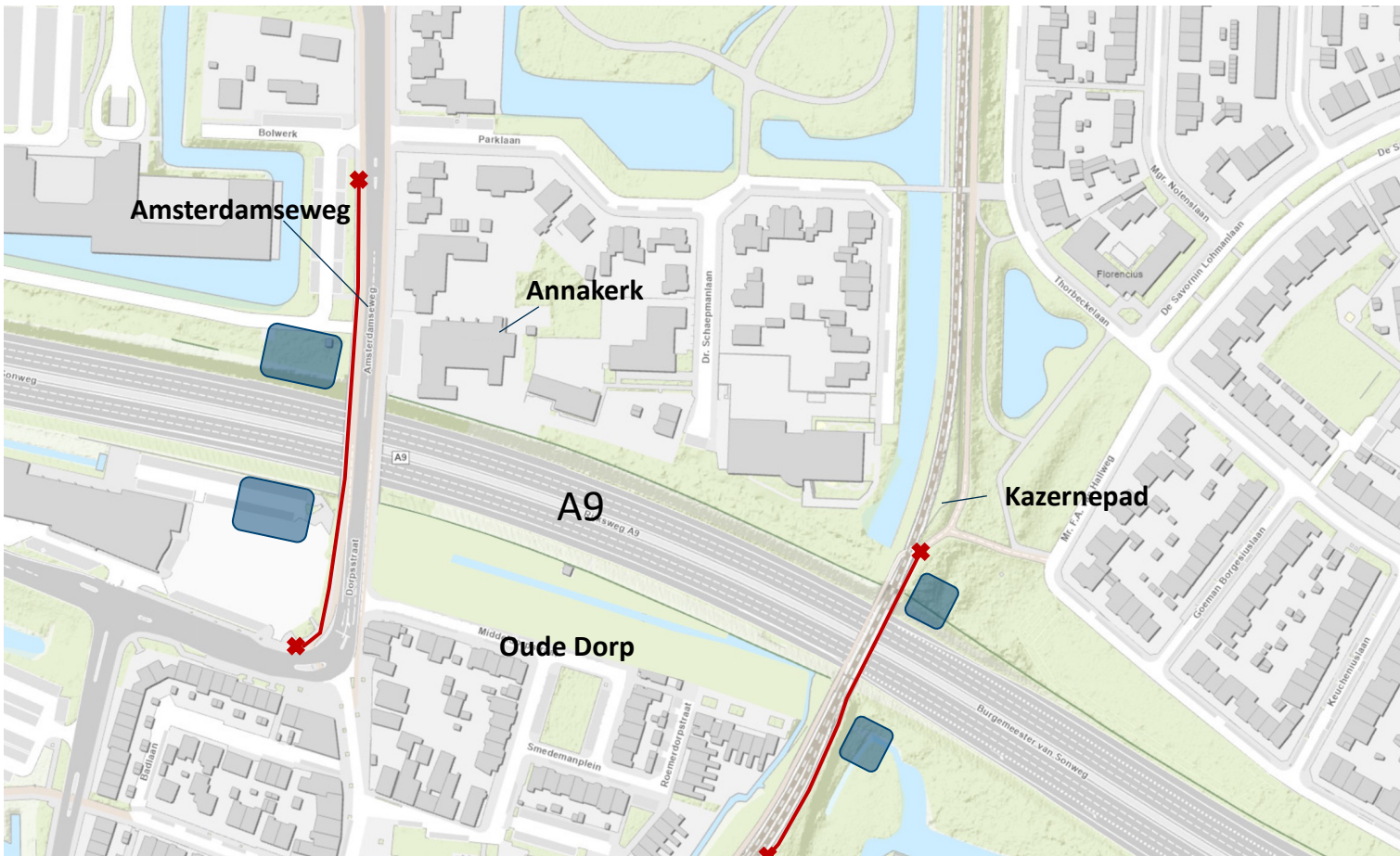
Planning schedule for work on the temporary bridges

From May to August (inclusive)



Installation of bridge abutments, temporary bridges

Work starts in the week of 17 May and lasts five weeks



Disruption due to vibrations for 1.5 weeks per side of the bridge

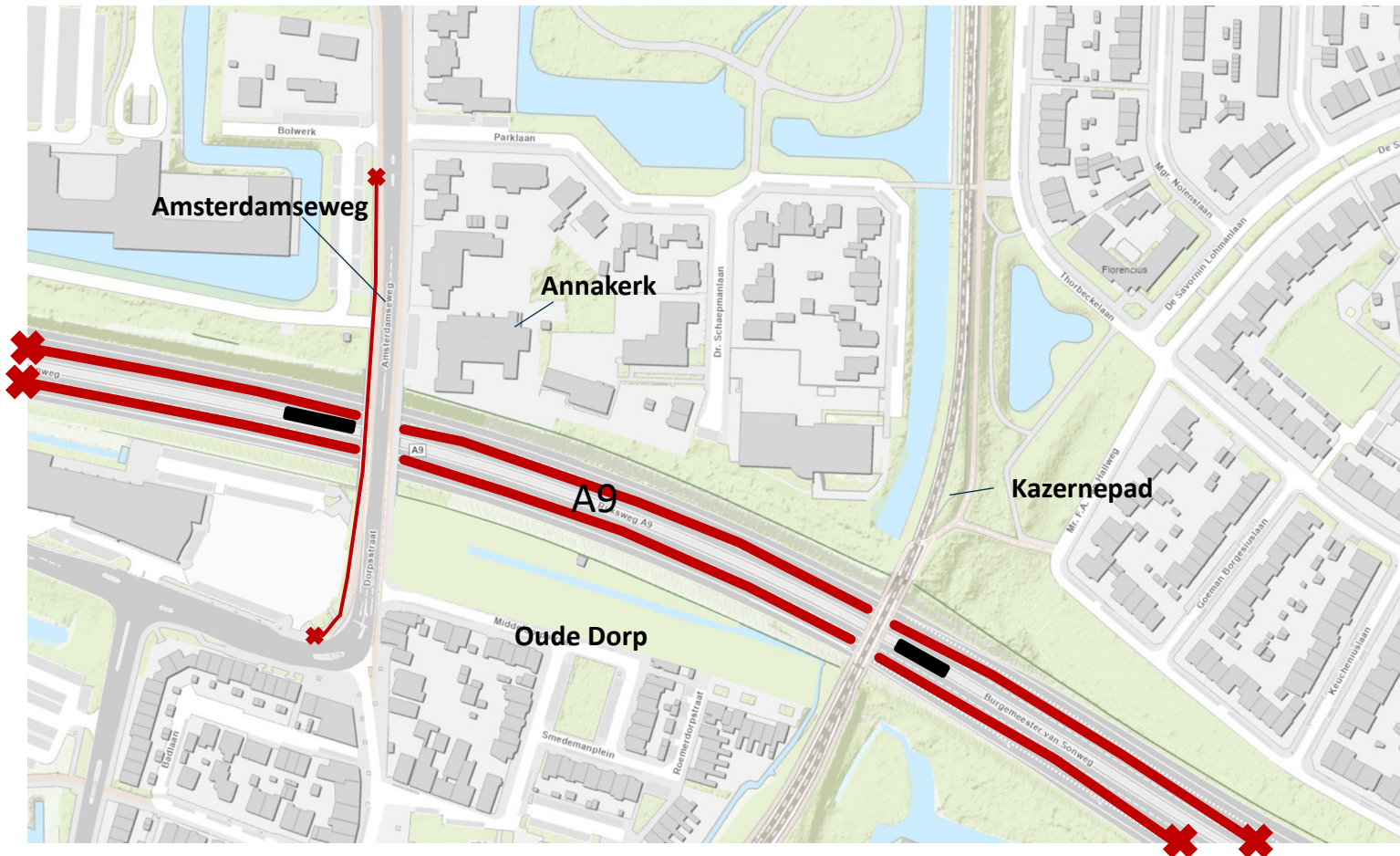
Disruption due to noise for 3 weeks per side of the bridge

Alternate use for cyclists and pedestrians on Kazernepad for one week

Pedestrians must cross the Amsterdamseweg on the eastern side

Installation of intermediate pier of temporary bridges

Work starts on Friday evening, 18 June and lasts until Monday morning, 21 June



Work will cause disruption due to both noise and vibrations on Saturday

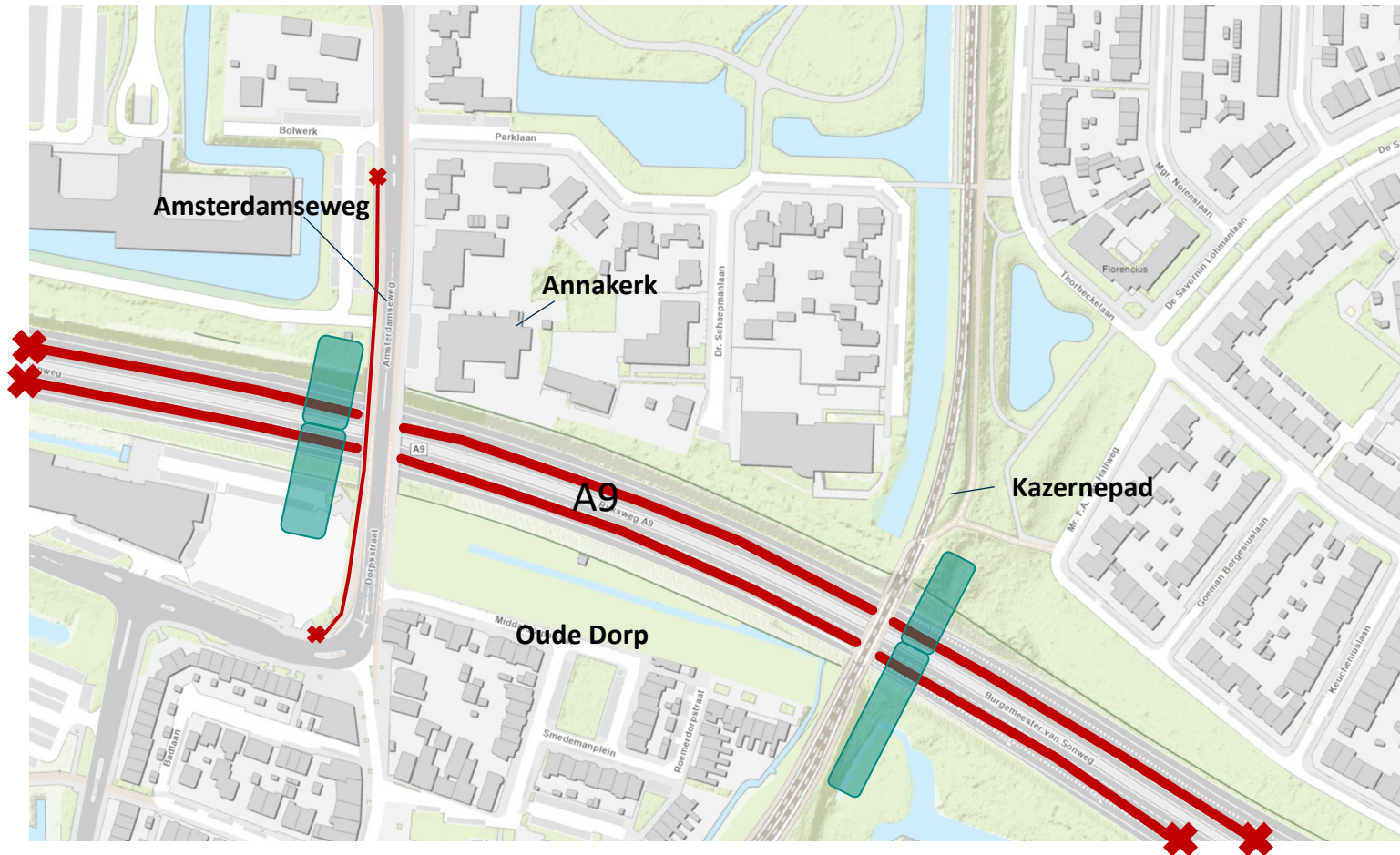
Work on the foundations will be on Saturday between 07.00 a.m. and 07.00 p.m.

A9 will be closed in both directions

Pedestrians must cross the Amsterdamseweg on the eastern side

Bridge sections of temporary bridges hoisted into place

Work starts in the week of 28 June and lasts for two weeks. We will be working for four nights per week.



Bridge sections are prefabricated components that need to be positioned and connected

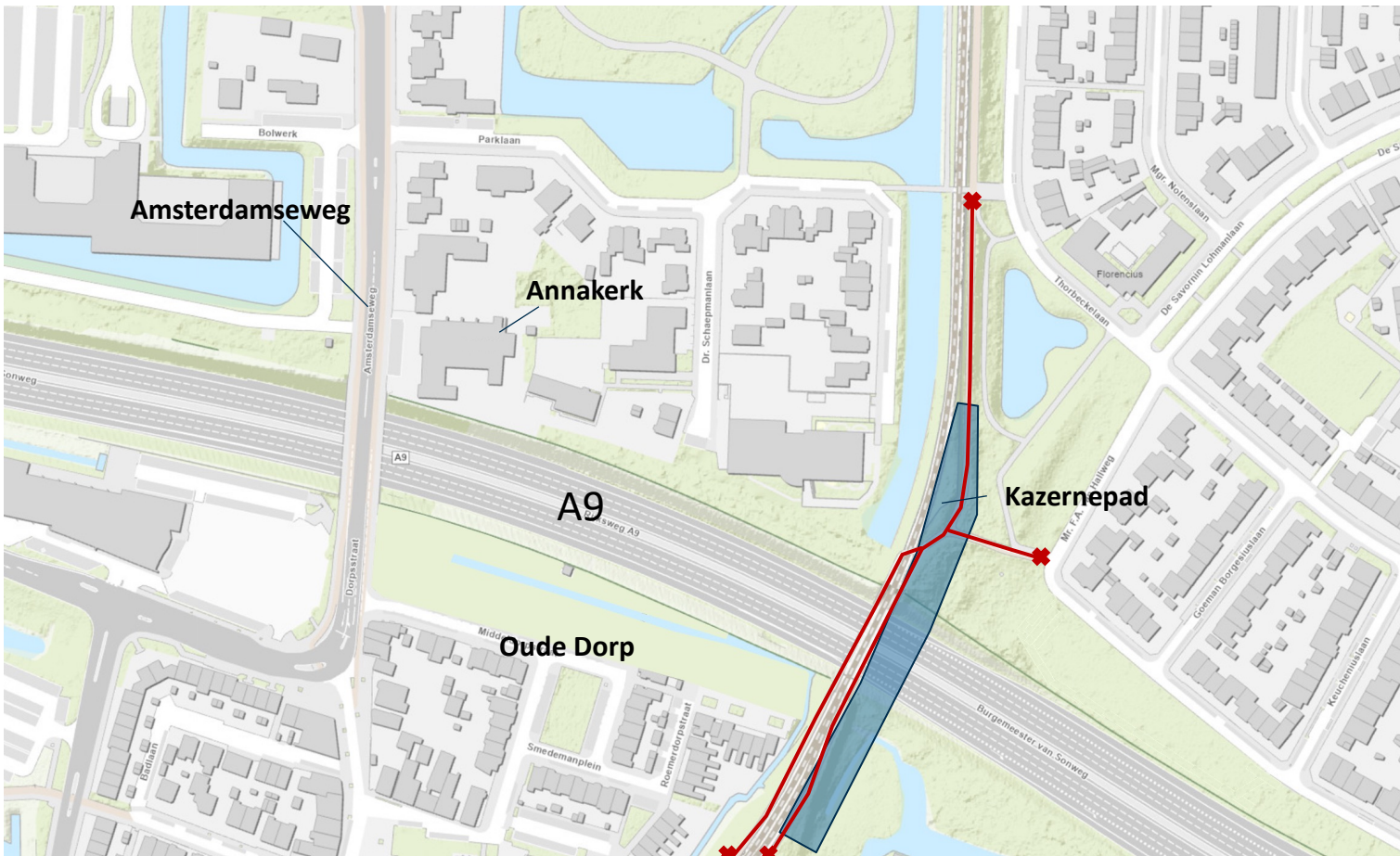
Pedestrians must cross the Amsterdamseweg on the eastern side

In the week of 28 June, the north (westbound) carriageway of the A9 will be closed at night

In the week of 5 July, the south (eastbound) carriageway of the A9 will be closed at night

Realignment of Kazernepad to the temporary bridge

Work starts in the week of 12 July and lasts three weeks.

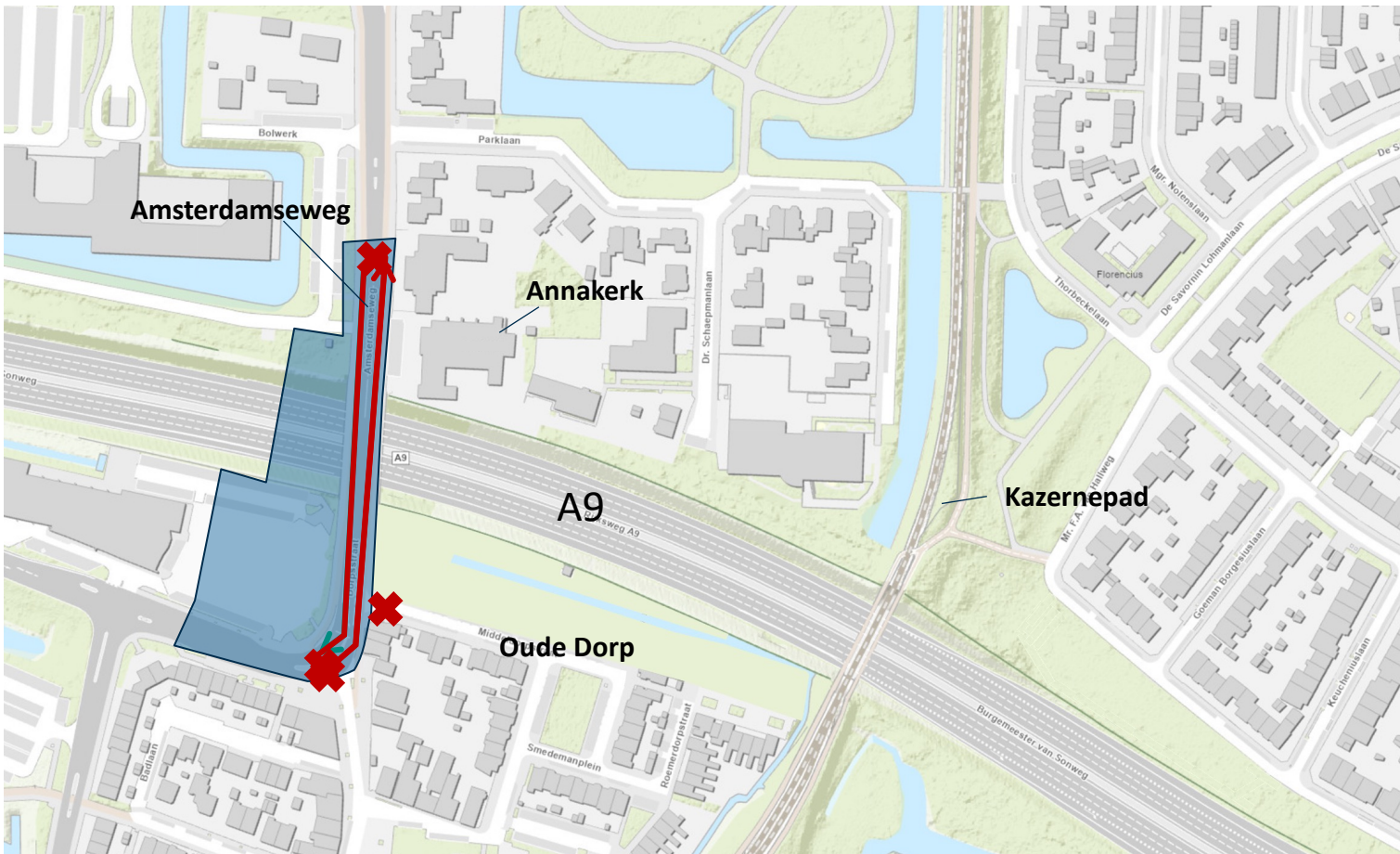


Work will cause disruption due to the presence of construction traffic

The Kazernepad will be closed

Realignment of Amsterdamseweg to the temporary bridge

Work starts in the week of 26 July and lasts for six weeks



Work will cause disruption due to the presence of construction traffic

Amsterdamseweg will be closed except for southbound traffic

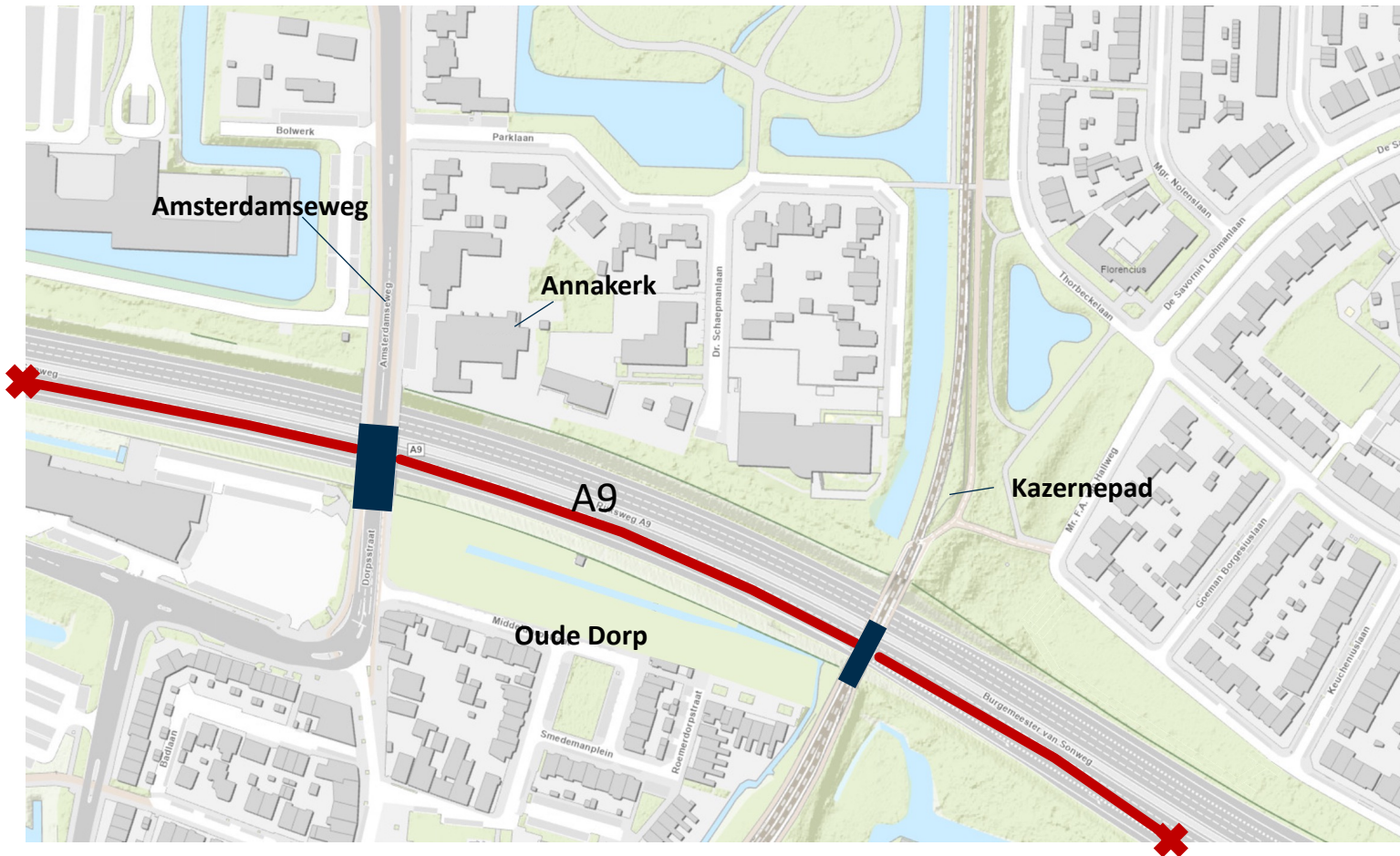
Amsterdamseweg will be closed to cyclists

Connection between Dorpsstraat and Middeldorpstraat will be closed

Amsterdamseweg will be closed completely from Friday 13 August until Monday morning, 16 August

Demolition of southern sections of carriageway of current bridges

Work starts Friday evening, 27 August and lasts until Monday morning, 30 August









During the day we will use a demolition hammer. Between 7.00 p.m. and 7.00 a.m. we will use a hydraulic crusher.

Northern (westbound) decks of current bridges will remain intact until the carriageway is no longer in use, then demolished

Southern (eastbound) carriageway of the A9 will be closed

Overview of expected disruption during creation of temporary bridges

	17 May	24 May	31 May	7 June	14 June	21 June	28 June	5 July	12 July	19 July	26 July	2 Aug	9 Aug	16 Aug	23 Aug	30 Aug
Vibration disruption																
Noise disruption																

Example of diversion – Weekend closure of A9 in both directions

Friday evening, 18 June, 8.00 p.m. until Monday morning, 21 June, 5.00 a.m.



Primary road network diversions

- A2 – A10 – A4
- A4 – A10 – A2

Urban road network diversions

- N231/ N201
- S108
- S109
- N522

Where can you find information on these and other diversions?

- At the Rijkswaterstaat online visitor centre: **www.bezoekerscentrum.Rijkswaterstaat.nl**
- Visitor centre **Amstelveen Inzicht** (expected to be open from 26 May 2021)
- Personalised, customised journey advice from the **Ask&Go** service



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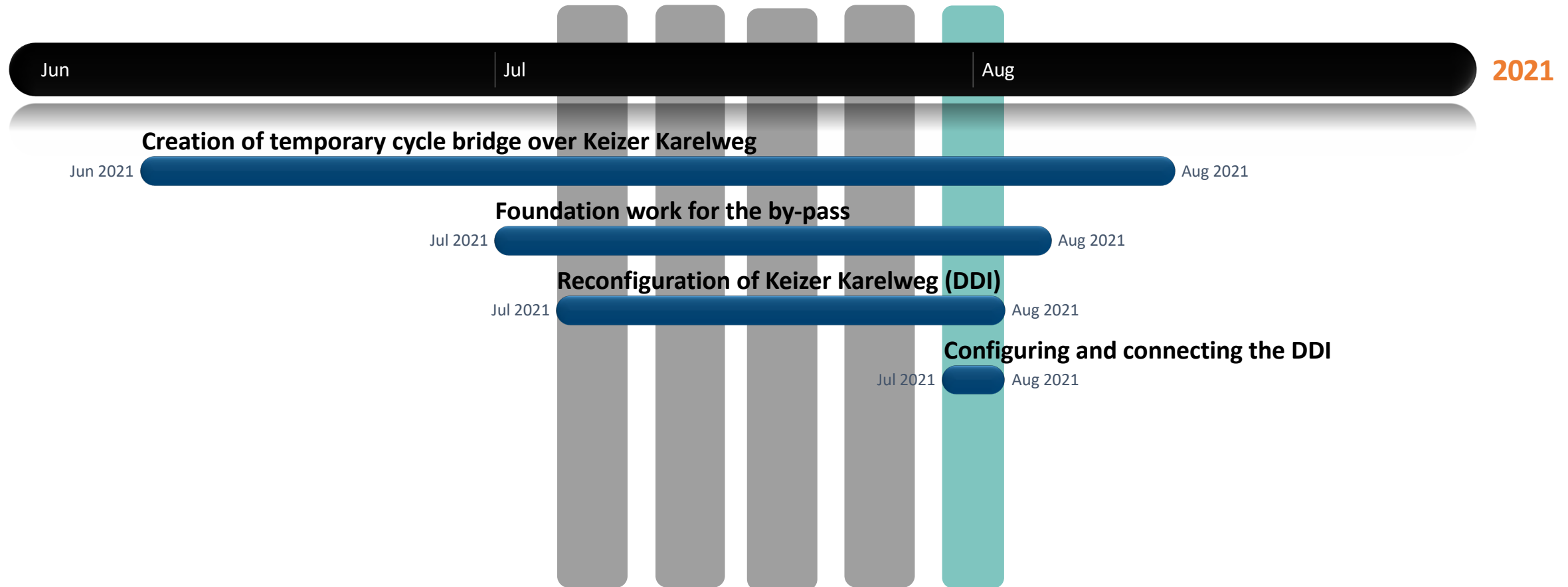


Example of a Diverging Diamond Interchange

Keizer Karelweg will be reconfigured to form a Diverging Diamond Interchange

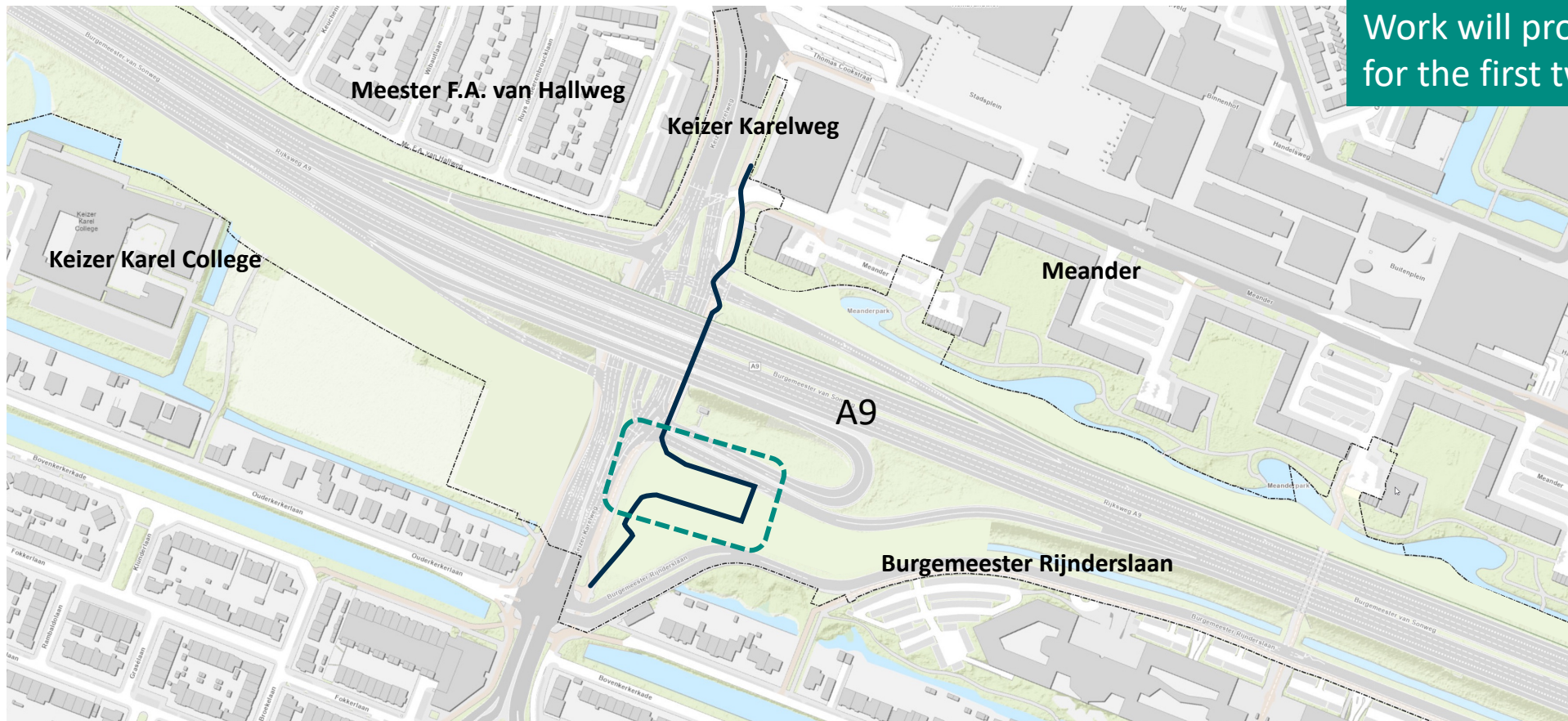


Planning schedule for work to reconfigure Keizer Karelweg



Creation of a temporary cycle bridge over Keizer Karelweg

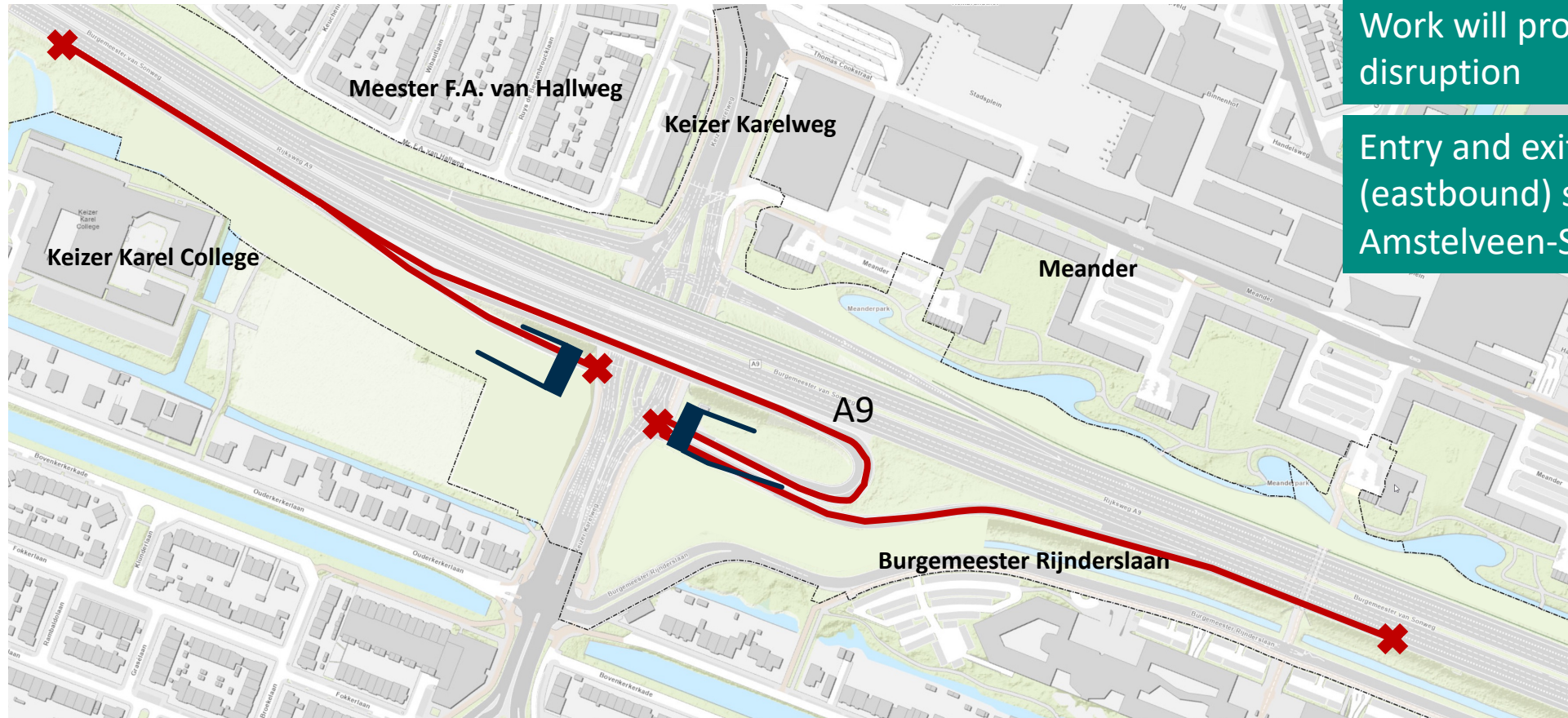
Work starts in the week of Monday 7 June and lasts for eight weeks



Work will produce noise disruption for the first two weeks

Foundation work for the by-pass (temporary alignment of the A9)

Work starts in the week of 1 July and lasts for five weeks.

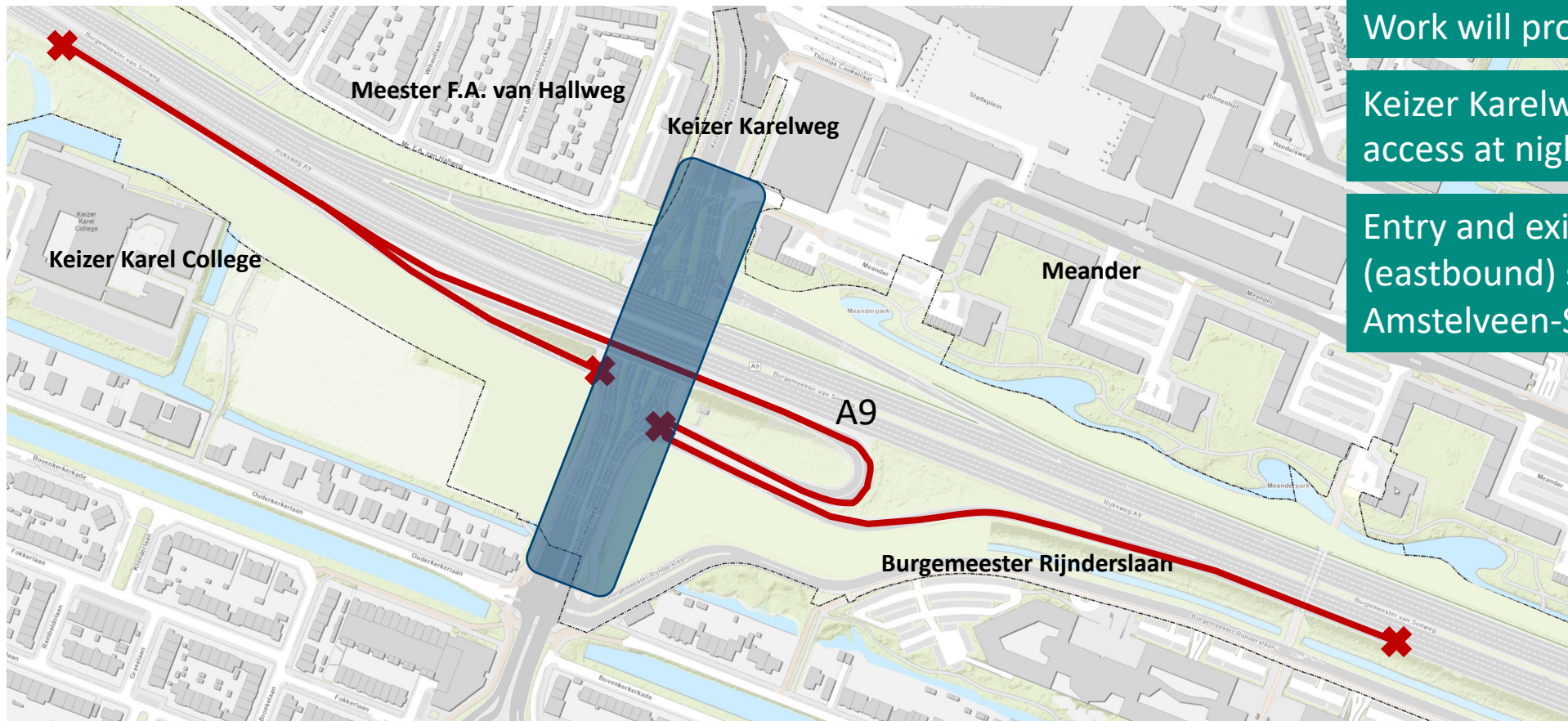


Work will produce noise and vibration disruption

Entry and exit roads on the south (eastbound) side of junction 5, Amstelveen-Stadshart, are closed.

Work to reconfigure Keizer Karelweg as a DDI

Starts in the week of 5 July and lasts for four weeks. Work will be carried out at night-time.



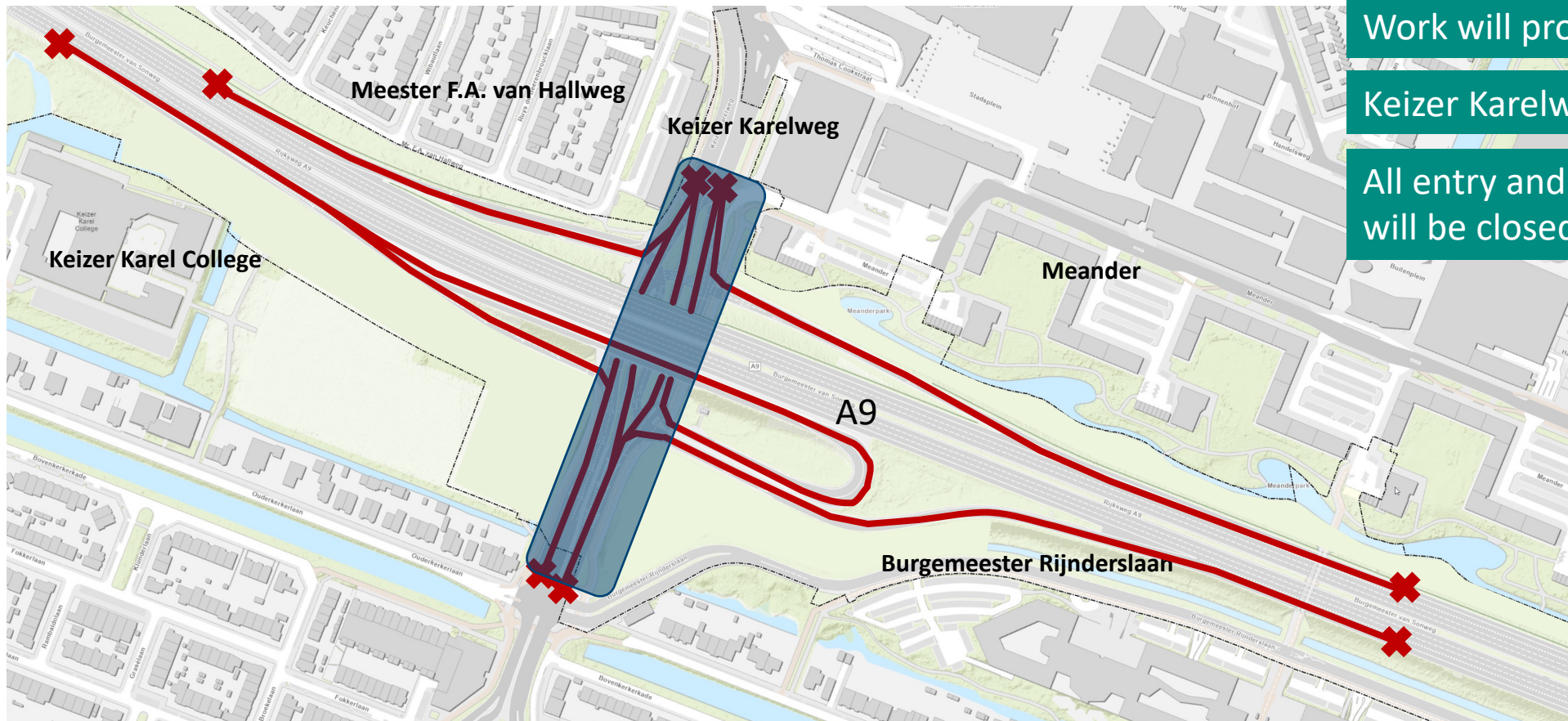
Work will produce noise disruption

Keizer Karelweg will have restricted access at night-time

Entry and exit roads on the south (eastbound) side of junction 5, Amstelveen-Stadshart, are closed

Configuring and connecting the DDI

Friday evening, 30 July until Monday morning, 2 August (inclusive)



Work will produce noise disruption

Keizer Karelweg will be closed

All entry and exit roads at junction 5 will be closed

Overview of expected disruption

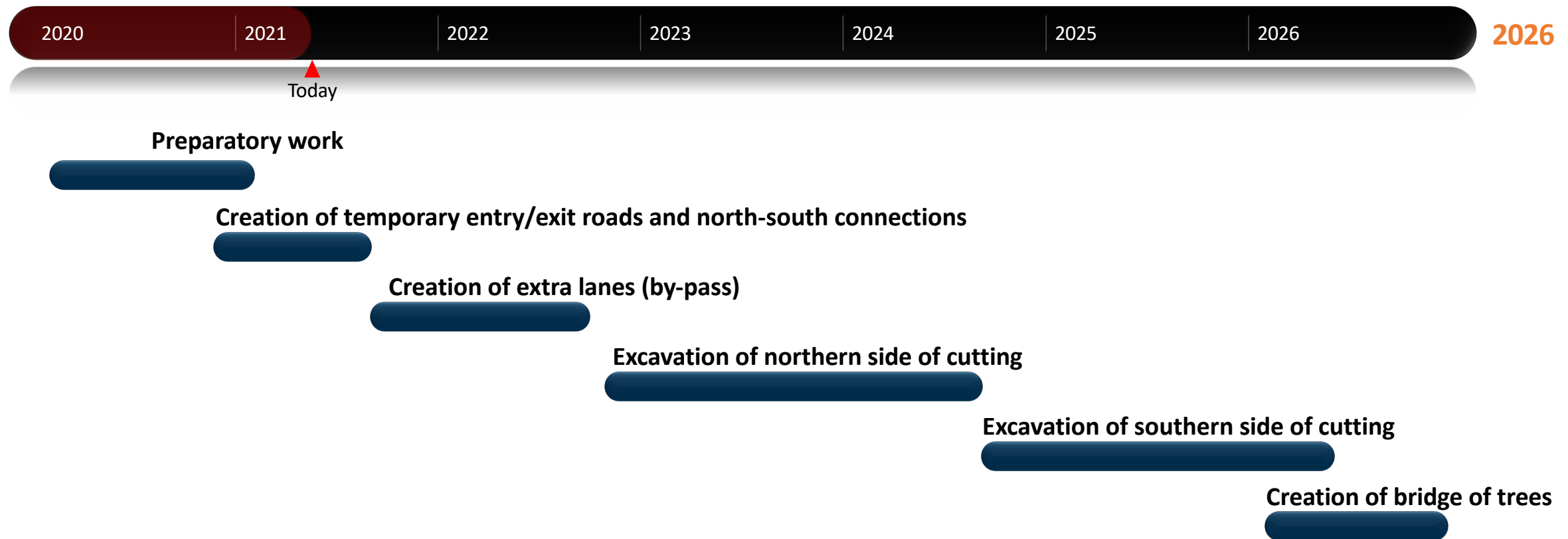
	17 May	24 May	31 May	7 June	14 June	21 June	28 June	5 July	12 July	19 July	26 July	2 Aug	9 Aug	16 Aug	23 Aug	30 Aug
Vibration disruption																
Noise disruption																

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Roadworks on the horizon



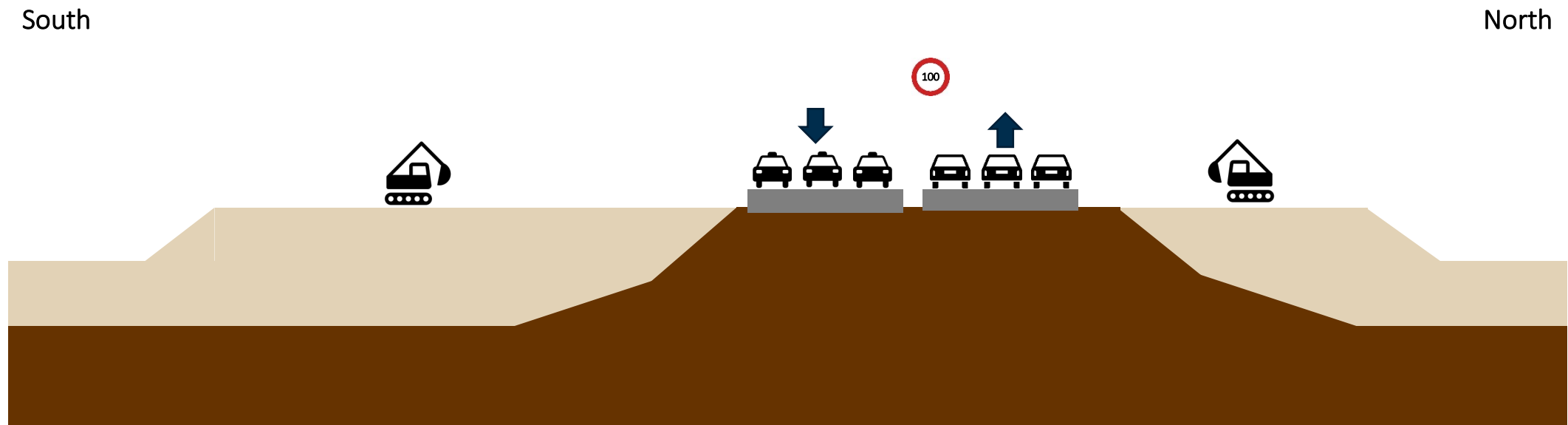
Animatie bypass A9 tussen knooppunten Badhoevedorp en Holendrecht

Onderdeel van de wegbreiding
Schiphol - Amsterdam - Almere

Een productie van Rijkswaterstaat
© 2020

How do we construct the cutting?

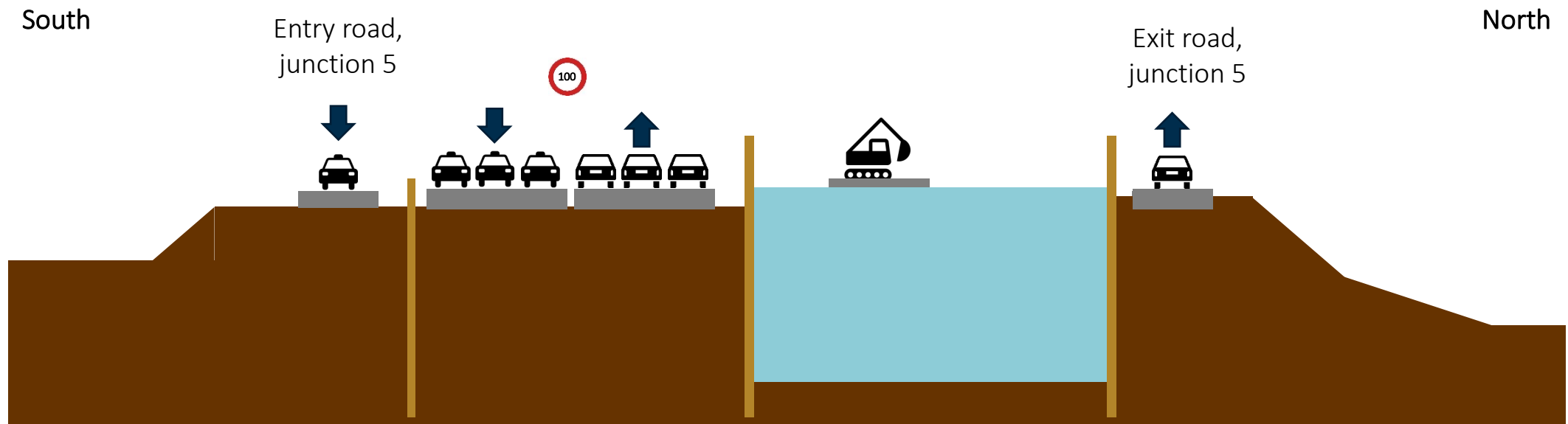
Creation of extra lanes and temporary entry and exit roads. Traffic uses the existing A9 (2020 – 2022)



Cross-section at the Bovenlandpad

How do we construct the cutting?

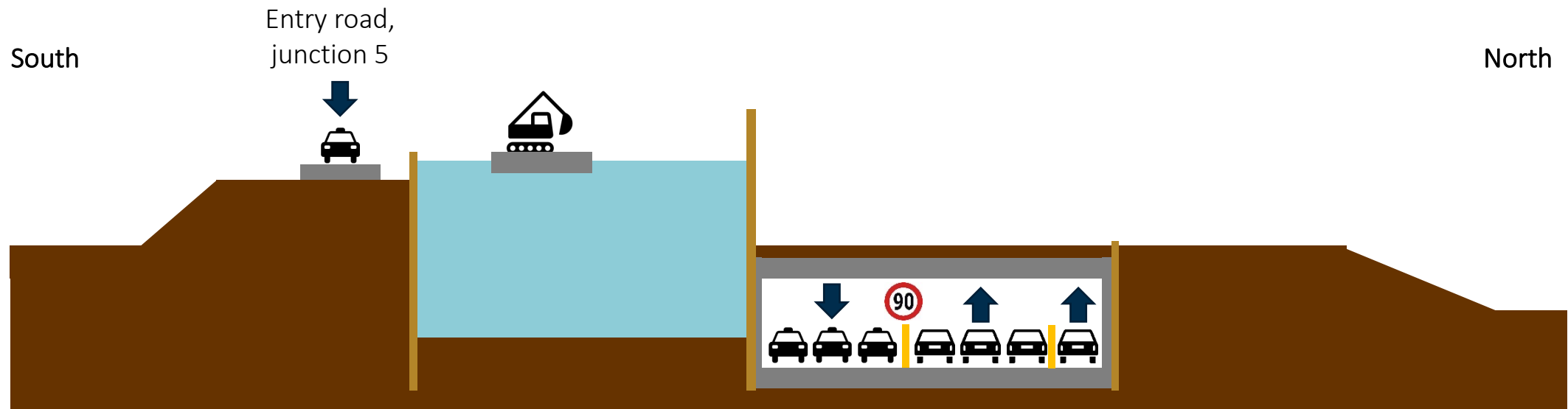
Excavation of the northern side of the cutting. Traffic uses the by-pass (2022 – 2024)



Cross-section at the Bovenlandpad

How do we construct the cutting?

Excavation of the southern side of the cutting. Traffic uses the northern side of the cutting (2024 – 2026)



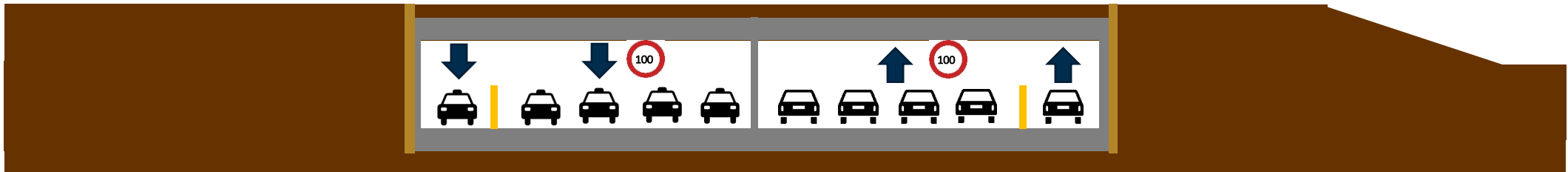
Cross-section at the Bovenlandpad

How do we construct the cutting?

Creation of overpasses and finishing. Traffic uses the cutting (2025 - 2026)

South

North



Cross-section at the Bovenlandpad



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Monitoring and damage

- 2020: around 2,200 structural surveys have (largely) been carried out to ascertain structural soundness prior to the start of the work
- From 2020 – 2026 (inclusive): work with risk of disruption
 - Monitored 24/7 to reduce the risk of damage and prevent serious damage occurring
 - 69 monitoring wells to take groundwater readings
 - Vibration data loggers, which register vibrations measured at reference façades
 - Where values are exceeded:
 - Immediate report
 - Trace cause of excess value
 - Depending on the risk, decide whether to stop or continue, using a different method if necessary
- Surveys of the finished structure will be carried out in 2026/2027





What to do in the event of damage

- If you see damage that wasn't there before the work started, please complete and return a damage claim form. This can be found at www.bezoekerscentrum.rijkswaterstaat.nl
 - If you are concerned, for instance due to severe vibrations, call 0800-8002, and we will contact you to make an appointment to view the situation.
- If you report damage, BouwVisie BV will come to assess the damage on site, determine whether an emergency repair is needed, estimate the cost of the repair and investigate whether the damage was caused by the work.
 - Damage caused by the project will be refunded:
 - In the event of damage less than € 5,000 general investigation into existence of a causal link (92% incidences at A9 GDW < € 5,000)
 - In the event of damage in excess of € 5,000 standard investigation into existence of a causal link
 - Damage that was clearly not caused by the project will not be refunded



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Main tasks of the municipality

1. Monitoring compliance with Management Agreements and Implementation Agreement
2. Approving draft reports
3. Verification & Validation of municipal infrastructure object designs
4. Reviewing design, architecture
5. Granting permission/permits (via Environmental Service), supervision and enforcement
6. Approving BLVC (accessibility, liveability, safety, communication) plans, particularly closures and diversions
7. Approving completion and handover of municipal objects
8. Cooperation with communications and environmental management (via InZicht etc.)
9. Planning and configuration of overpasses
10. Planning and compensation with replanting



Permits and dispensation

- Environmental Service tasks expanded for A9 and *Uithoornlijn* projects
- Assessment framework for building noise [*Afwegingskader Bouwlawaaai*] dispensations

Veenix will investigate the scheduled work every six months

Excessive noise burden:

- Best available technology
- Dispensation from authorities
- Monitoring
- Compensation



Oude Dorp

- Park
- Piet Heinschool
- Cycle connection





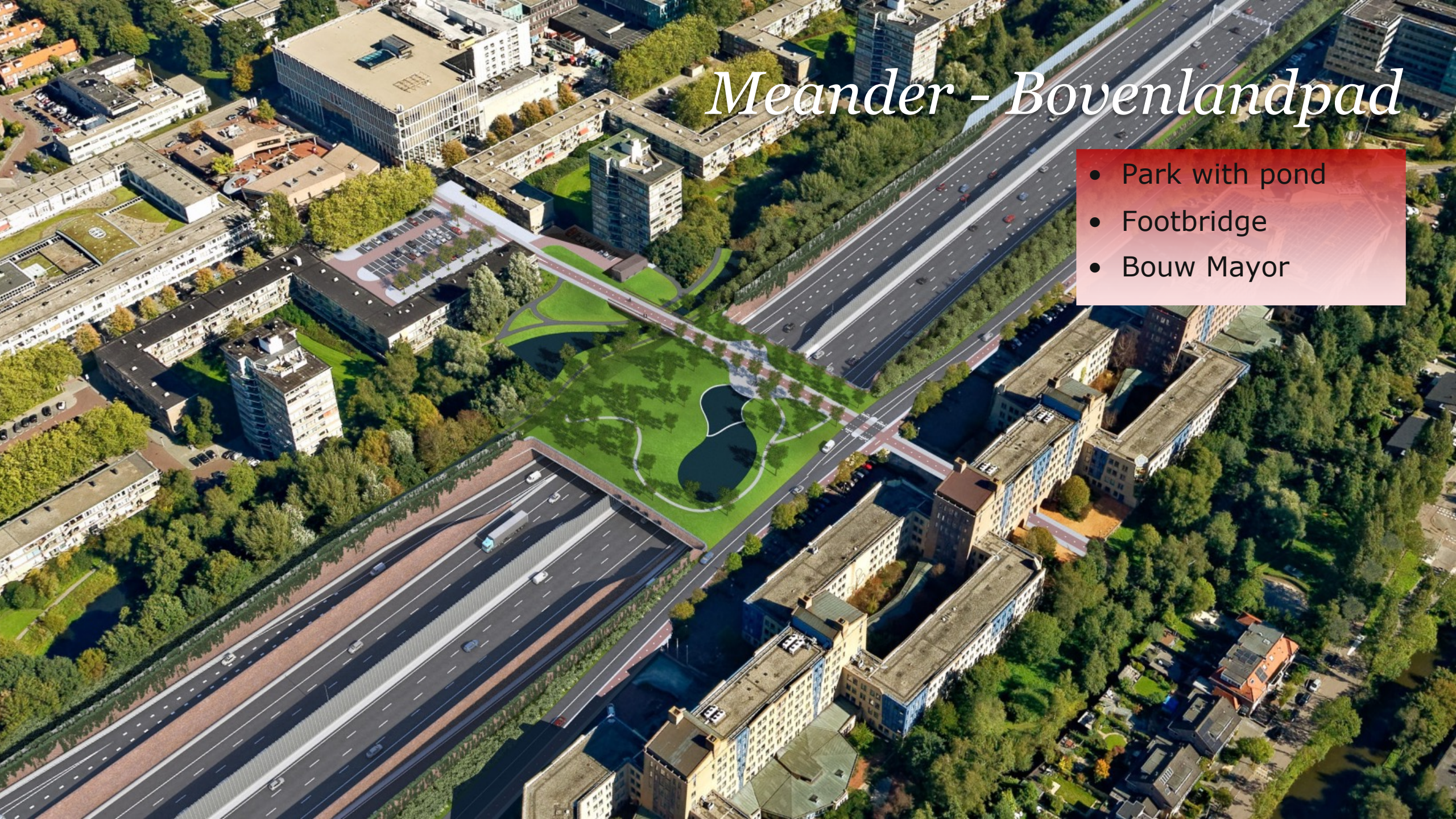
An aerial photograph of a city intersection. A large, irregularly shaped green park area is proposed in the center of the intersection. The park features several circular and oval green spaces, some with trees, and a network of light-colored paths. The park is surrounded by existing urban infrastructure, including multi-lane roads, buildings, and residential areas. A red semi-transparent box is overlaid on the right side of the image, containing the title 'Traverse' and a bulleted list of features.

Traverse

- Transport hub
- Bridge of trees
- Buildings

Meander - Bovenlandpad

- Park with pond
- Footbridge
- Bouw Mayor







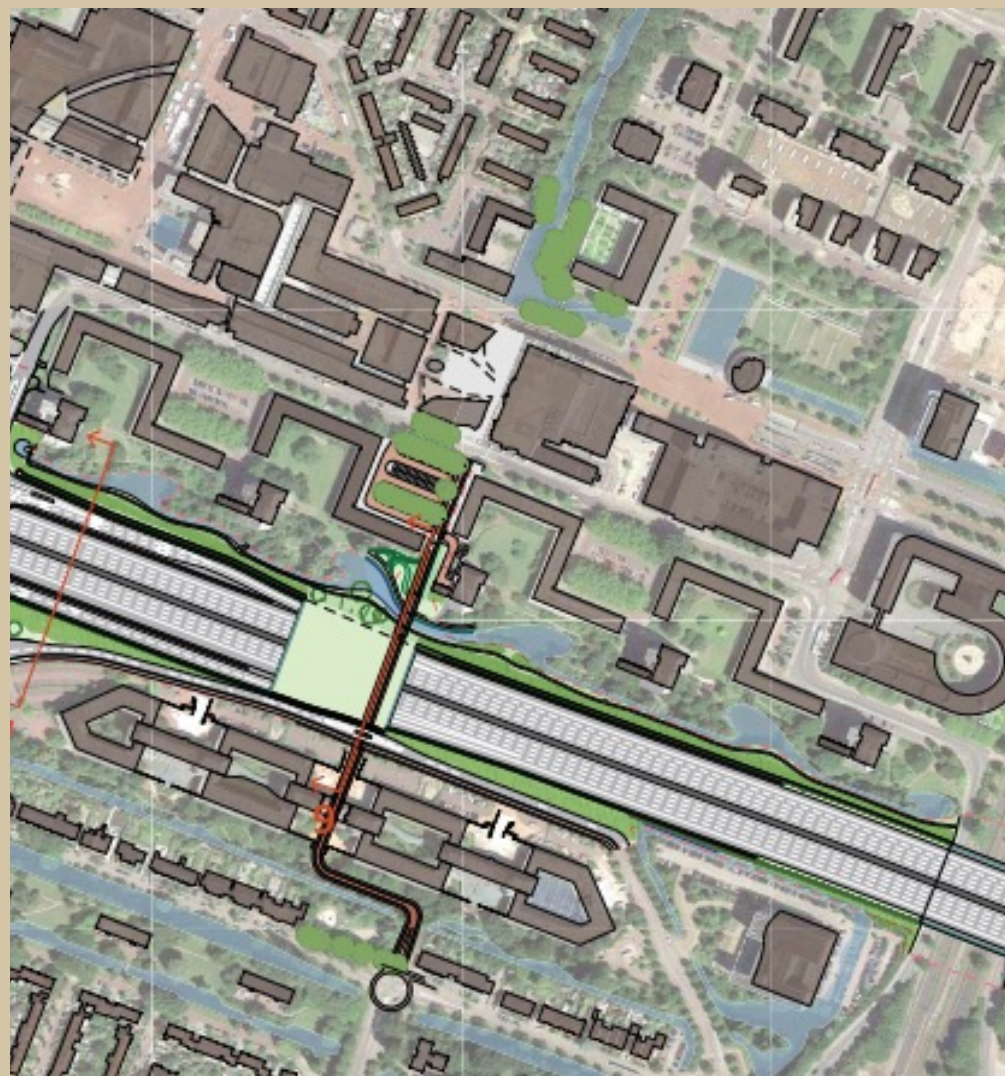


Regeneration of green space

Green space planning and compensation

- North side: Van Hallweg, Meander and Parelvissterslaan, March 2024 onwards
- South side: Burg. Rijnderslaan, 2027 onwards
- 3 overpasses, 2027 onwards
- Operapark, 2027 onwards









How will we keep you informed during construction work?

- Via www.bezoekerscentrum.rijkswaterstaat.nl
- Register for the A9BAHO digital newsletter. This has all the latest developments on how work is progressing on the A9BAHO project.
- Via social media:  RWS_SAA  RWSSAA  SAA Visitor Centre
- Via information evenings and guided tours of the work, keep an eye on the newsletter and the website
- Rijkswaterstaat can be reached by telephone: 0800-8002, or by e-mail: A9badhoevedorp-holendrecht@rws.nl or 08008002@RWS.nl
- In the *Amstelveen Inzicht* experience centre, Stadsplein 100, above the library and at the Venstra book shop