



TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

Join us in building
**The Södertörn
Crosslink Project**

Name and title



Forms an outer crosslink from Haninge to Täby

- The Södertörn Crosslink
- E4 The Stockholm Bypass
- Norrortsleden

Connects several regional town centres along the crosslink, thus relieving pressure on the inner city of Stockholm



The Södertörn Crosslink Project in brief



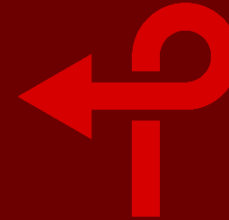
The Södertörn Crosslink is part of the outer crosslink road that connects several regional town centres



3 tunnels



20 km road



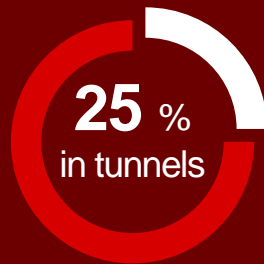
8 interchanges



New cycle and pedestrian paths



2+2 lanes



80–100 km/h



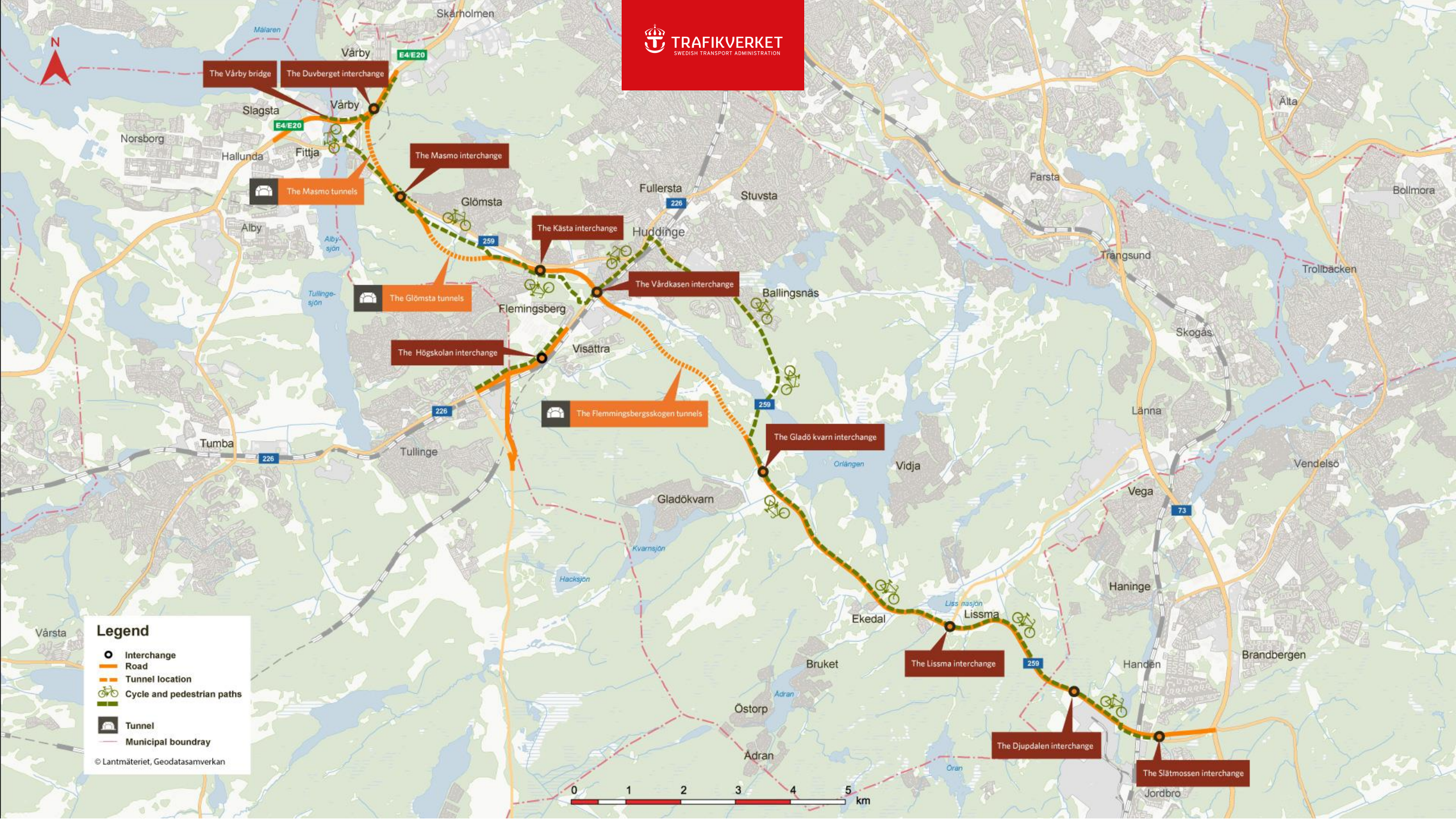
1 ekoduct



New bridges



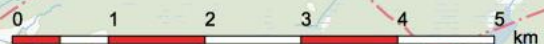
Approx. 10-year
construction time



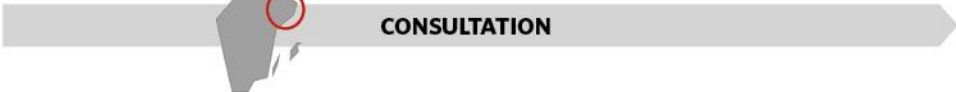
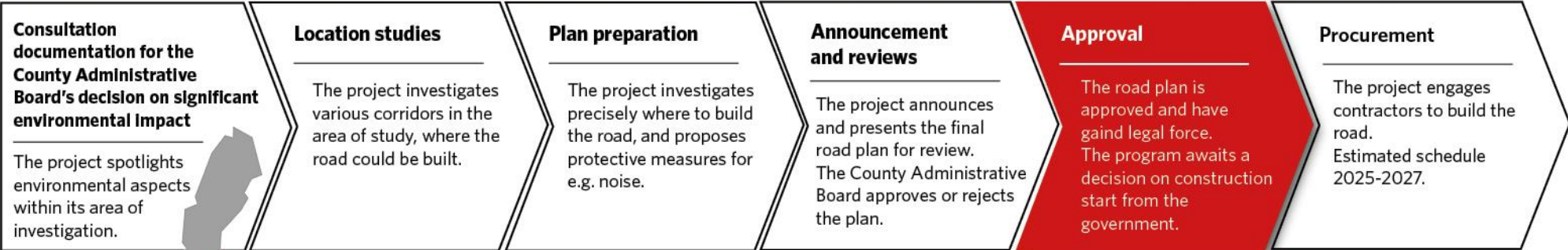
Legend

- Interchange
- Road
- Tunnel location
- Cycle and pedestrian paths
- Tunnel
- Municipal boundary

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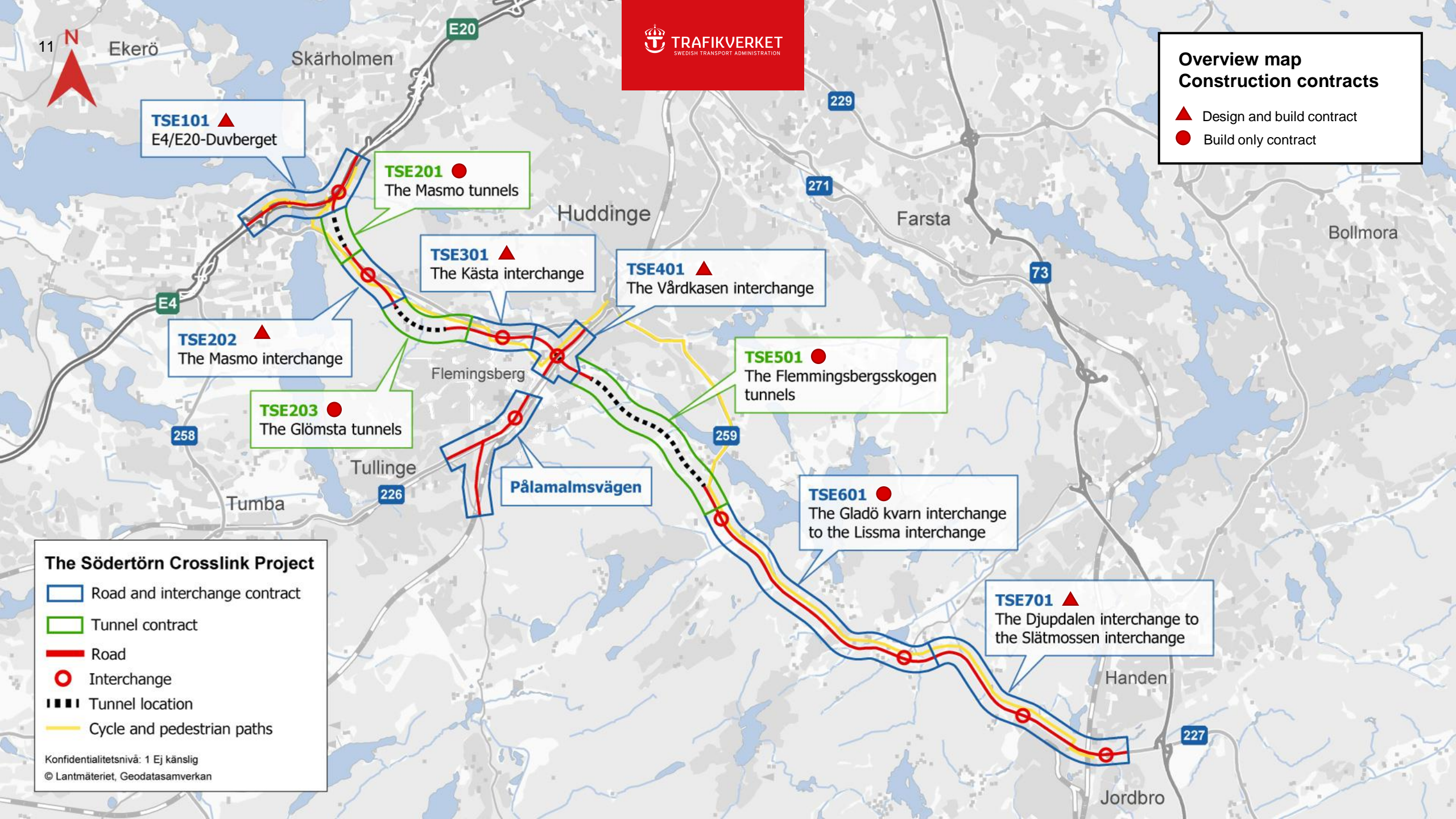


Progress thus far: 2024



Overview map
Construction contracts

- ▲ Design and build contract
- Build only contract



TSE101 ▲
E4/E20-Duvberget

TSE201 ●
The Masmo tunnels

TSE301 ▲
The Kästa interchange

TSE401 ▲
The Vårdkasen interchange

TSE202 ▲
The Masmo interchange

TSE501 ●
The Flemmingsbergsskogen tunnels

TSE203 ●
The Glömsta tunnels

Pålmalmsvägen

TSE601 ●
The Gladö kvarn interchange to the Lissma interchange

TSE701 ▲
The Djupdalen interchange to the Slätmosse interchange

The Södertörn Crosslink Project

- Road and interchange contract
- Tunnel contract
- Road
- Interchange
- Tunnel location
- Cycle and pedestrian paths

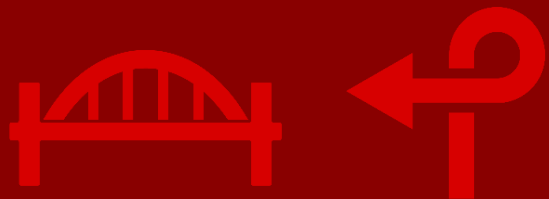
Konfidentialitetsnivå: 1 Ej känslig
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Construction contracts

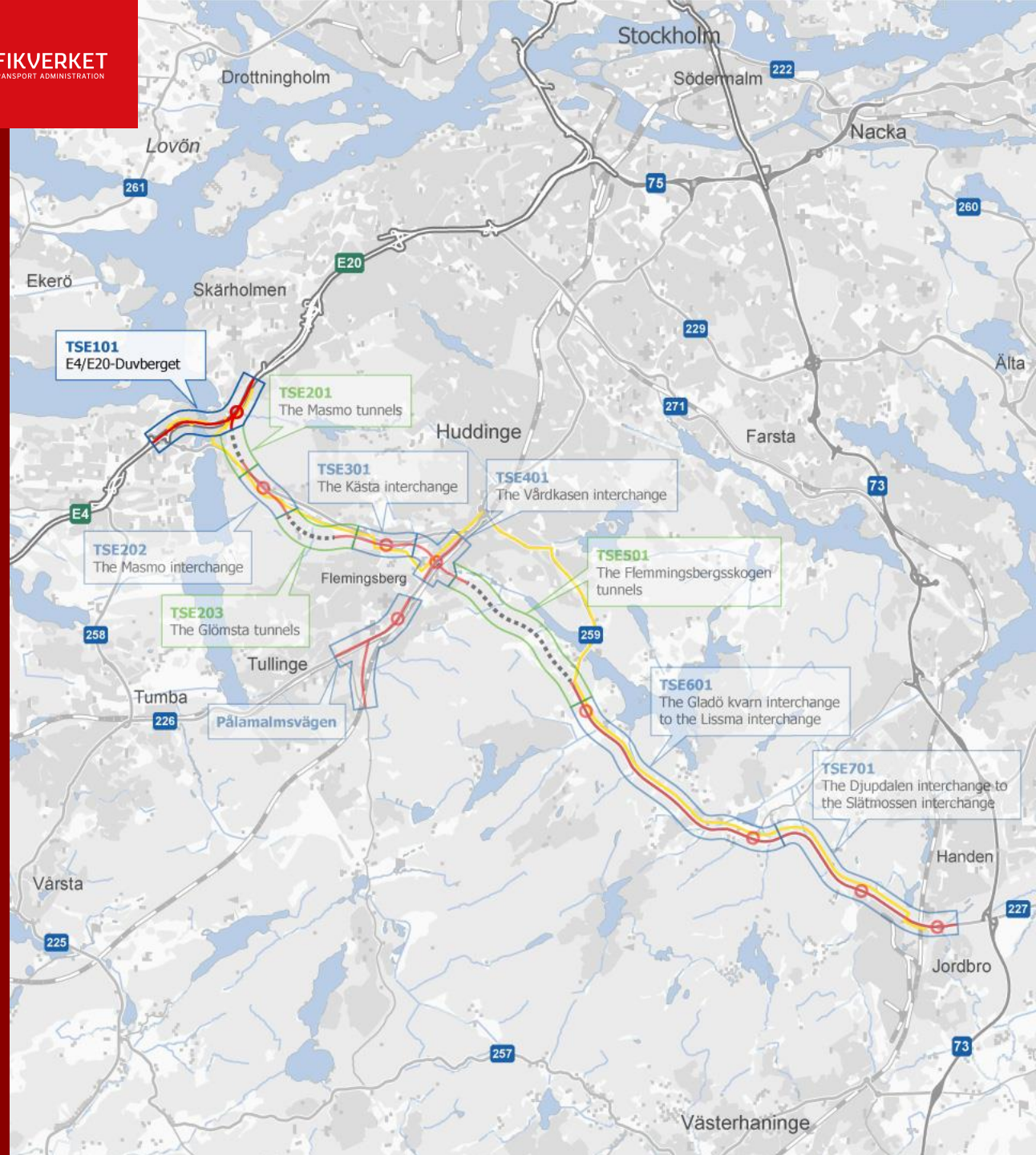
Design and build contracts Road ▲		
Number	Estimated cost (m EUR)	Preliminary publication
TSE101	350 – 400	Quarter 1 2025
TSE202	120 – 150	Quarter 1 2027
TSE301	80 – 90	Quarter 2 2026
TSE401	230 – 250	Quarter 3 2027
TSE701	100 – 150	Quarter 3 2028

Build only contracts Tunnel ●		
Number	Estimated cost (m EUR)	Preliminary publication
TSE201	120 – 150	Quarter 1 2026
TSE203	120 – 150	Quarter 2 2026
TSE501	250 – 300	Quarter 4 2026

Build only contracts Road ●		
Number	Estimated cost (m EUR)	Preliminary publication
TSE601	100 – 120	Quarter 4 2028



TSE101 E4/E20-Duvberget



TSE101

E4/E20-Duvberget

DESIGN AND BUILD CONTRACT

Contract period: approximately 8 years

Estimated contract value: 350 – 400 m EUR

Collaboration contract with cost-plus invoicing

Contractor fee: 12%

Target price with incentives

Allocation based on added value

Duvberget interchange, overview from the northeast



Construction includes

- 3 km of new road section, of which:
 - 2 new 400 m Vårby bridges
 - widening of E4/E20
 - 6 entrance and exit ramps
- Open cut and concrete work in tunnel mouth
- 2 water/sewage stations
- 1 electrical power service station
- Approx. 90,000 m³ of concrete
- Approx. 250,000 m³ rock excavation
- Total of 19 new bridges
- There is a solution for the temporary traffic diversion

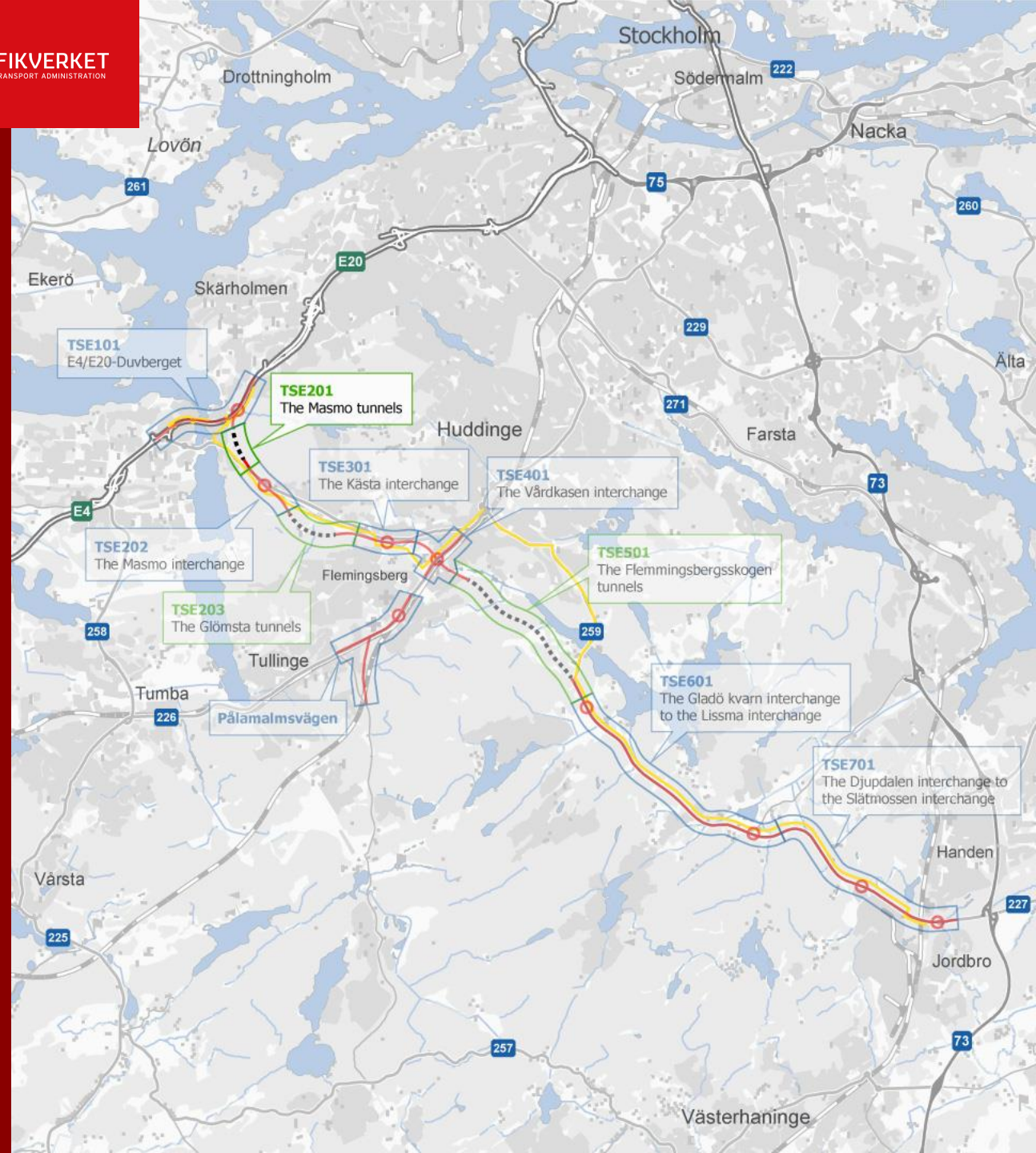
New Vårby bridges, overview from the south





TSE201

The Masmo tunnels





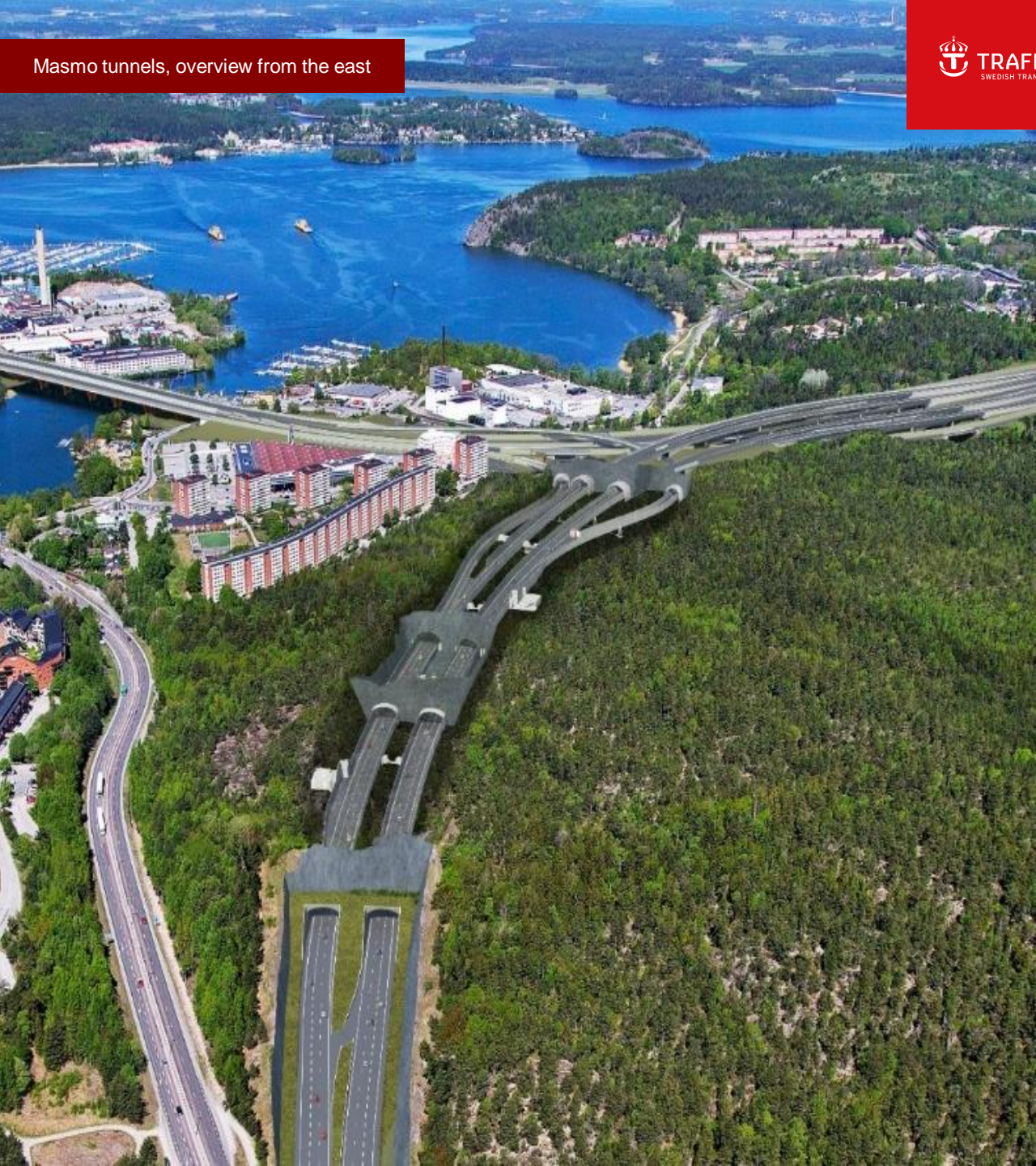
TSE201

The Masmo tunnels

BUILD ONLY CONTRACT

Contract period: about 5-6 years

Estimated contract value: 120 – 150 m EUR



Construction includes

- Tunnel length 750 m, of which:
 - 640 m rock tunnel
 - 110 m concrete tunnel
- Soil excavation approx. 52,000 m³
- Rock excavation approx. 765,000 m³
- 3-2-1 lanes divided into:
 - 2 main tunnels
 - 2 ramp tunnels
- No work tunnel – one portal, the south
- Passage by metro, 17 m rock overburden
- Needs-based injection
- Sulphidic rock

In the tunnel

- Cross-sectional area: approx. 170 m² (3 lanes)
- Inner roof arch with membrane
- Pipe culvert with separating walls
- Concrete walls also on high-speed side
- Barrier element on both sides
- Pipe work
- 2 electrical power service stations
- 1 pumping station
- 4 escape routes
- 1 service route

Southern section of the Masmo tunnel

- Large open cut, approx. 40 m high and 60 m wide
- Road on surface, approx. 300 m
- Volume of rock, approx. 200,000 m³

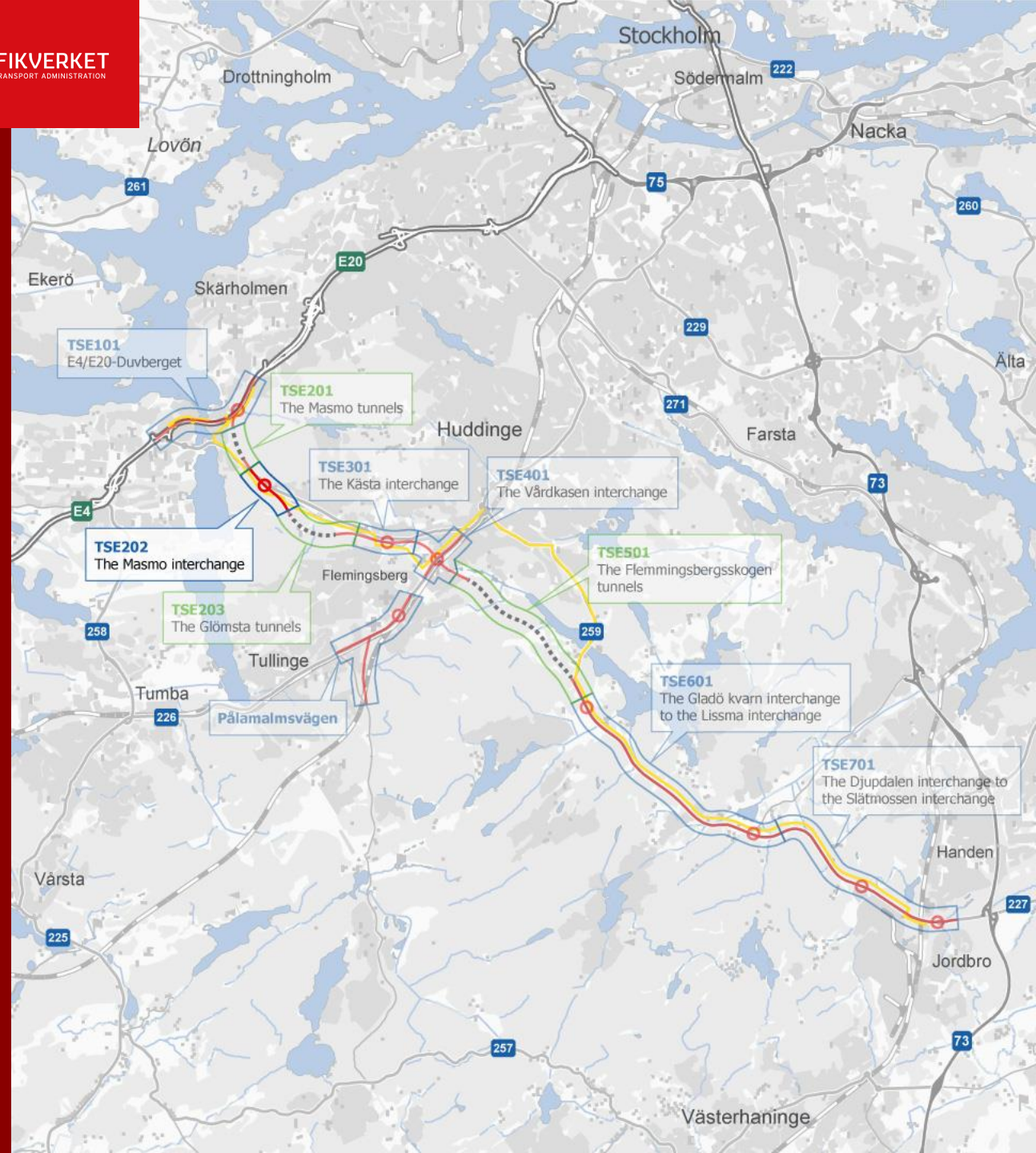
Northern section of the Masmo tunnel

- Contract boundary in portal
- Open cut is performed by another contract
- Time-dependent between contracts





TSE202 The Masmo interchange





TSE202

The Masmo interchange

DESIGN AND BUILD CONTRACT

Contract period: about 5-6 years

Estimated contract value: 120 –150 m EUR

Masmo interchange, overview

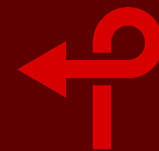




Construction includes

- 1.2 km expressway including pipes, channels and lighting
- 1 interchange including ramps
- New pedestrian and cycle paths (regional and local)
- Upgrading of local roads (Glömstavägen and Botkyrkaleden)
- Pipe diversion – including water and district heating pipes
- Geotechnical foundations
- 5 concrete bridges
- 1 concrete culvert, 90 m long and 12 m wide
- 1 concrete trough, 170 m long and 40 m wide
- 3 technical buildings, of which:
 - 1 firefighting water station
 - 2 technical kiosks
- 2 treatment plants for road storm water
- 1 ecoduct, approx. 5000 m² (90 x 60 m)

Masmo interchange, illustrations





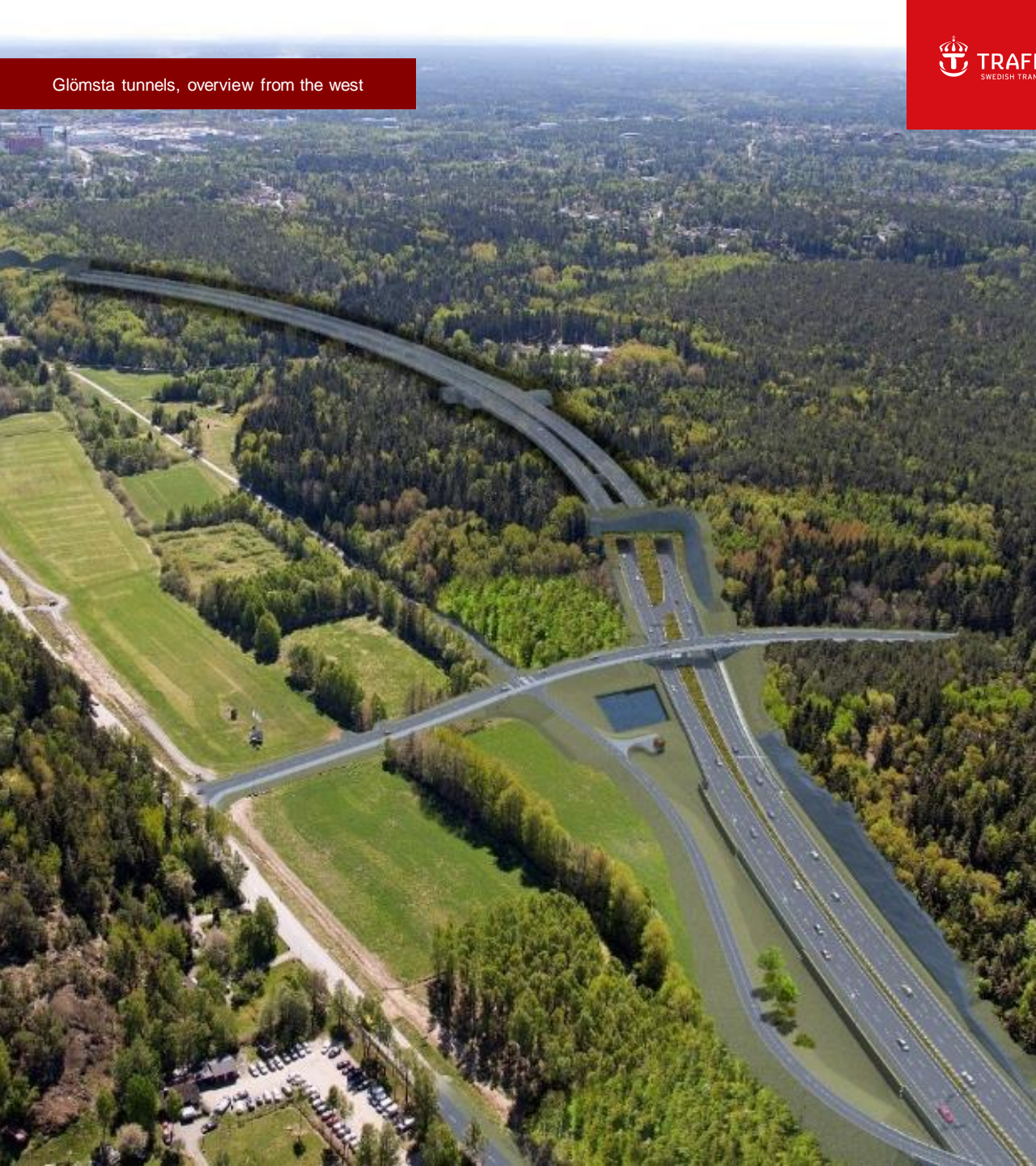
TSE203

The Glömsta tunnels

BUILD ONLY CONTRACT

Contract period: about 5 years

Estimated contract value: 120 – 150 m EUR



Construction includes

- Tunnel length 1100 m, 2 lanes
- Soil excavation approx. 63,000 m³
- Rock excavation approx. 691,000 m³
- No work tunnel – two separate portals
- 2 passages with underground construction, min. rock overburden approx. 3 m
- Passage of depression in the rock, min. rock overburden approx. 5 m
- Sulphidic rock



In the tunnel

- Cross-sectional area: approx. 135 m²
- Inner roof arch with membrane
- Pipe culvert with separating walls
- Concrete walls also on high-speed side
- Barrier element on both sides
- Pipe work
- 2 electrical power service stations
- 3 pumping stations
- 7 escape routes

Western section of the Glömsta tunnel

- Open cut, approx. 25 m high and 45 m wide
- Road on surface, approx. 450 m
- Volume of rock approx. 130,000 m³
- Geo reinforcement, lime-cement columns approx. 7,000 pcs
- Pedestrian and cycle path, approx. 350 m
- District heating pipes

Eastern section of the Glömsta tunnel

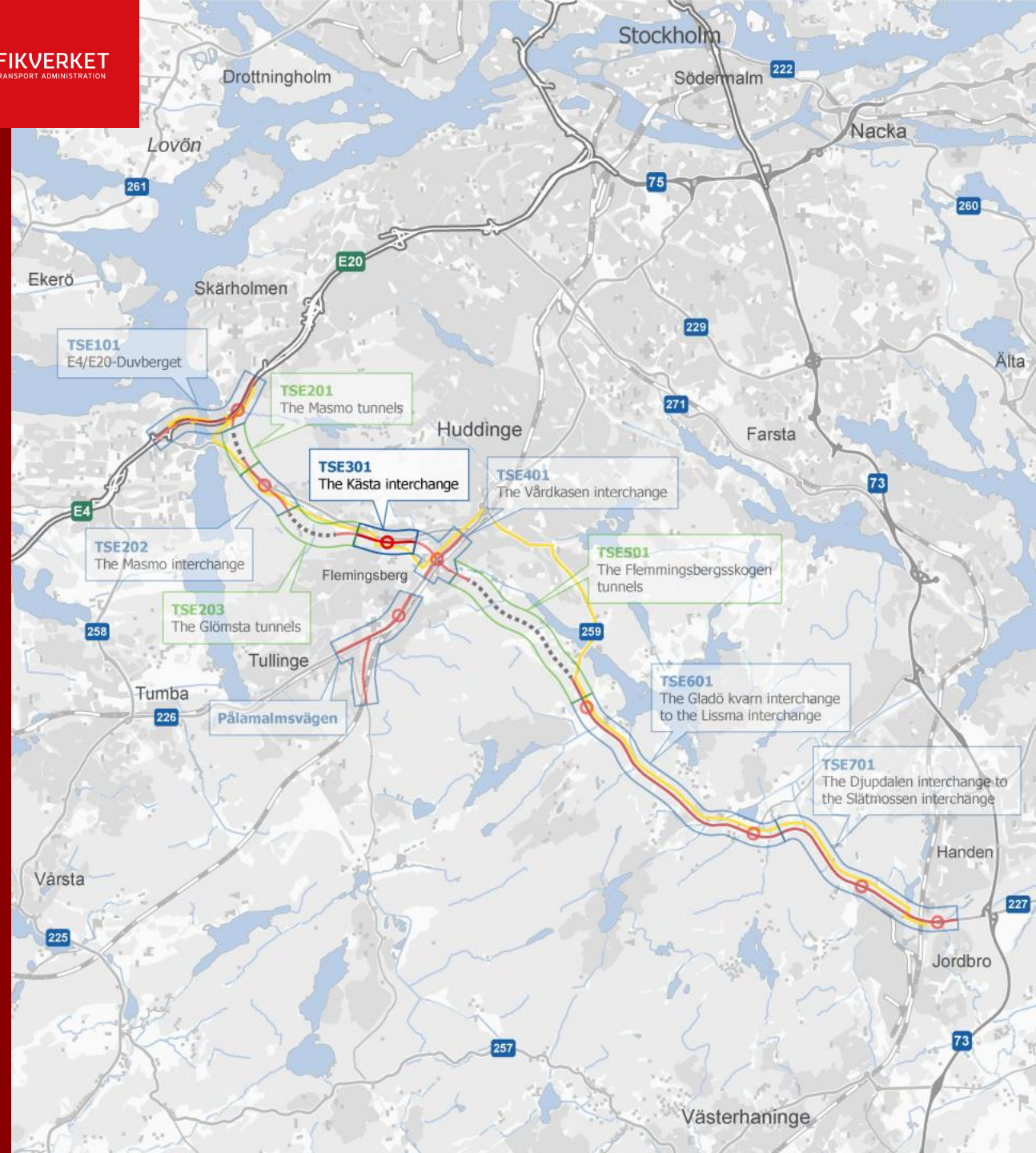
- Open cut, approx. 25 m high and 45 m wide
- Road on surface, approx. 100 m
- Volume of rock approx. 60,000 m³
- Contract boundary is moved when rock excavation is completed





TSE301

The Kästa interchange





TSE301

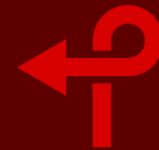
The Kästa interchange

DESIGN AND BUILD CONTRACT

Contract period: about 4,5 years

Estimated contract value: 80 – 90 m EUR





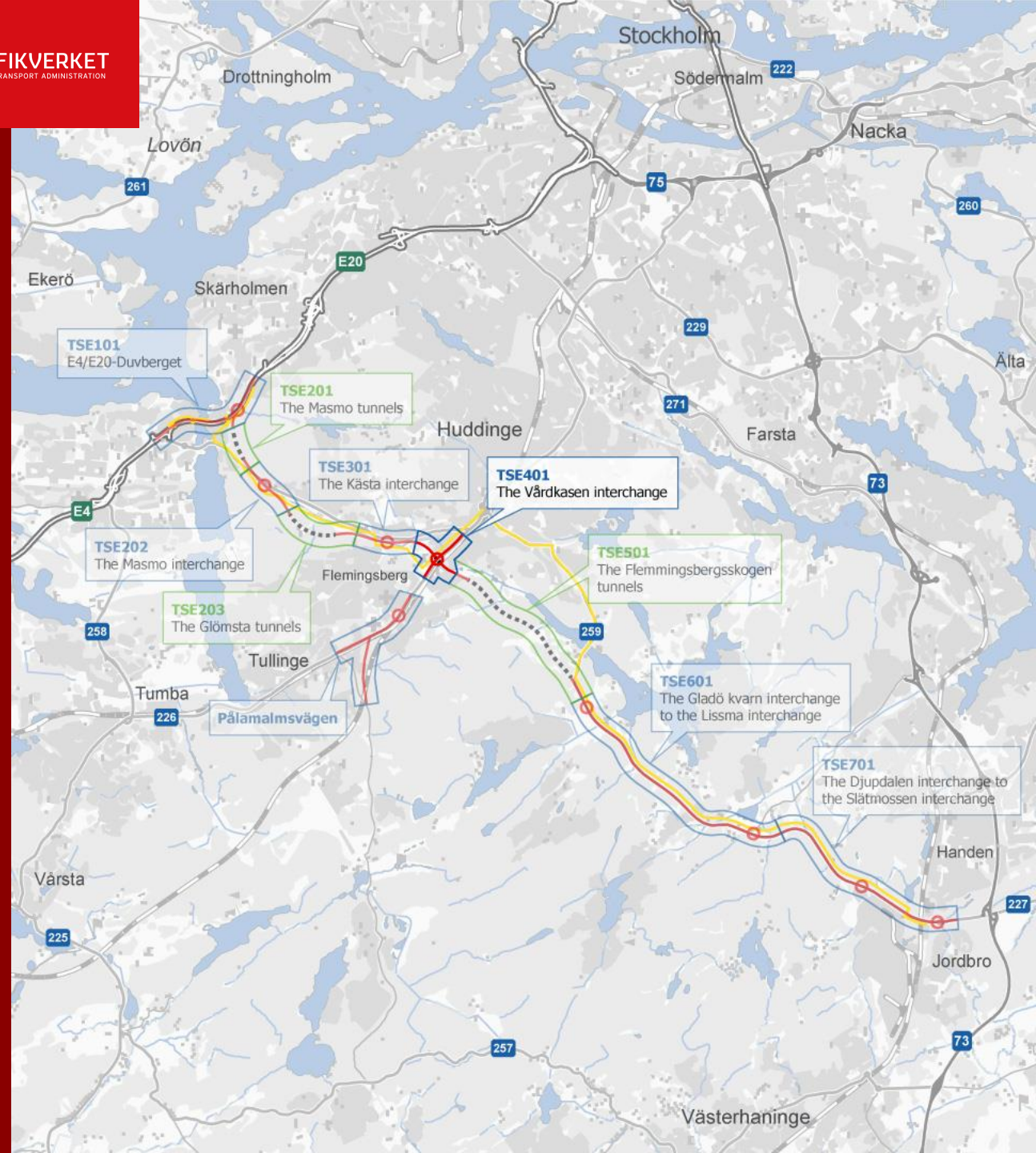
Construction includes

- 1.7 km main road
- Overhead roundabout
- 2 road bridges
- 1 pedestrian and cycle bridge passage under the main road
- 1 pedestrian and cycle bridge over the main road
- Approx. 1.5 km pedestrian and cycle path
- 2 pumping stations
- 2 storm water ponds above ground
- 2 storm water ponds below ground
- Diversion of Glömstadiket to a new position
- Noise barriers



TSE401

The Vårdkasen interchange





TSE401

The Vårdkasen interchange

DESIGN AND BUILD CONTRACT

Contract period: about 8 years

Estimated contract value: 230 – 250 m EUR

The Vårdkasen interchange, overview



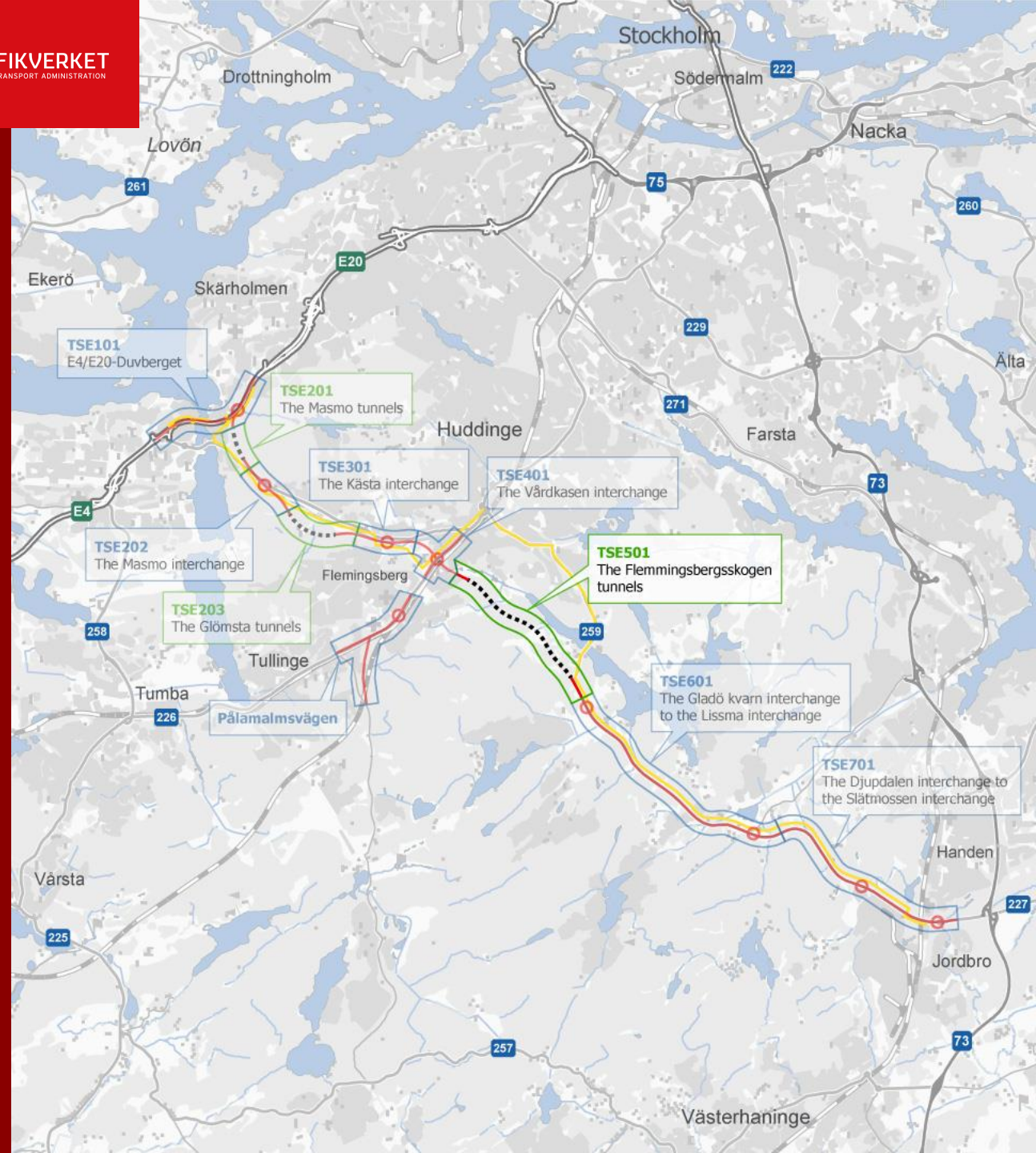


Construction includes

- 1 interchange on 3 levels
- 1 km temporary railway and performance documents for Track, Electrical, Signal and Telecom works
- Concrete tunnel approx. 300 meters long under existing railway and Route 226
- 8 ramp bridges
- 2 pumping stations
- 1 km pedestrian and cycle path



TSE 501 The Flemingsbergsskogen tunnels





TSE 501

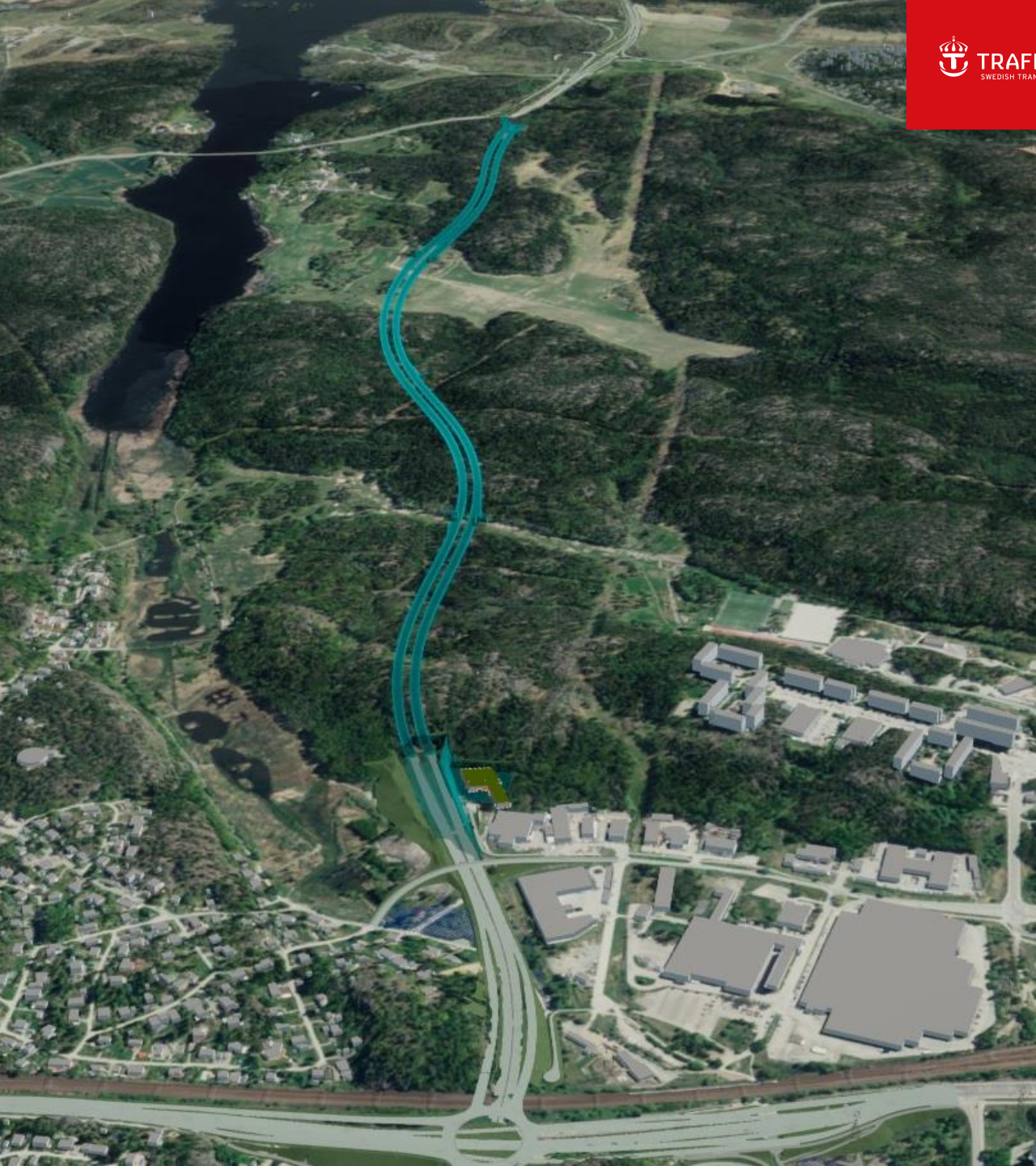
The Flemingsbergsskogen tunnels

BUILD ONLY CONTRACT

Contract period: about 6-7 years

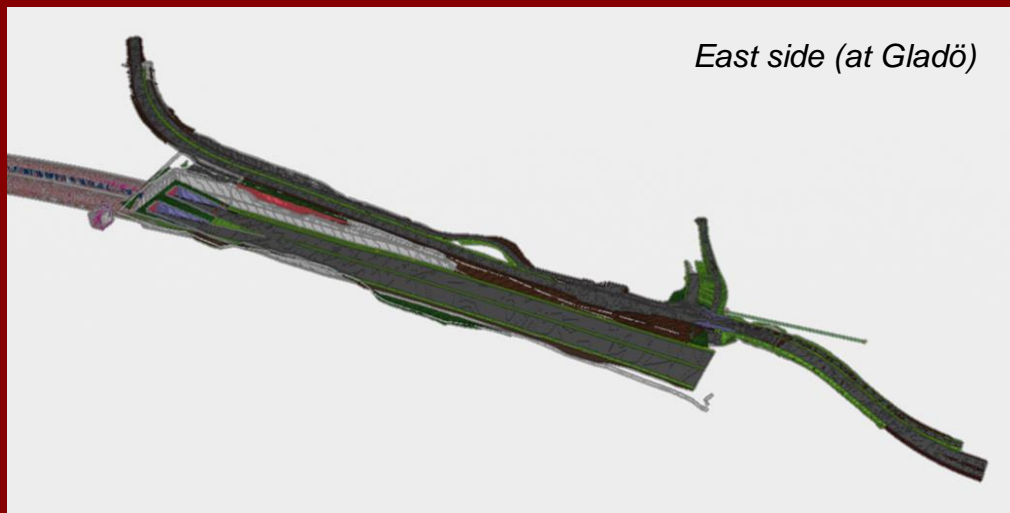
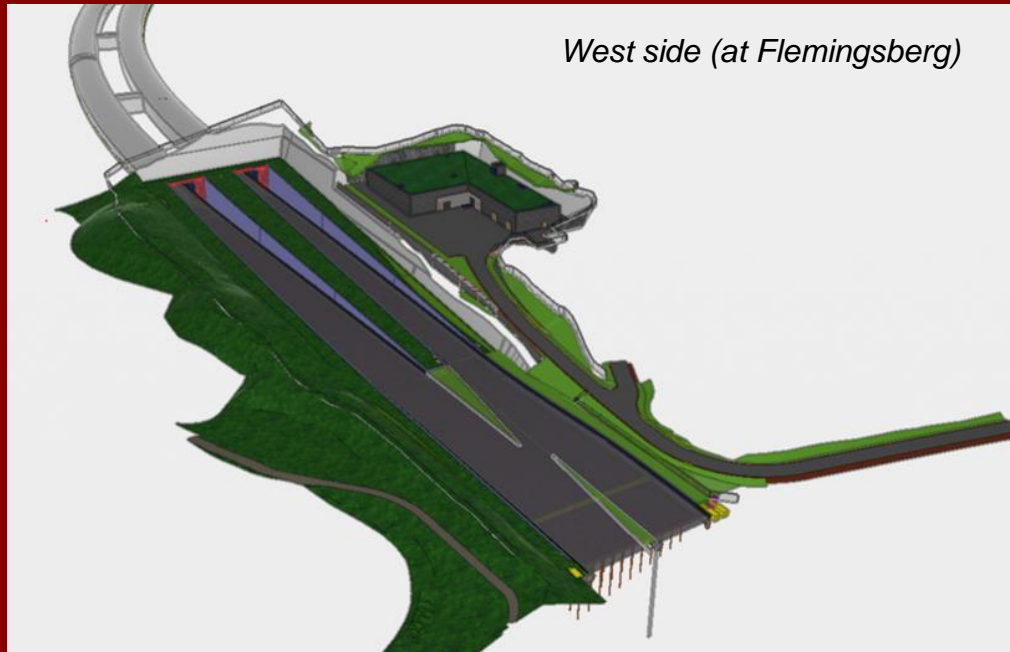
Estimated contract value: 250 – 300 m EUR





Construction includes

- Approx. 3.2 km long rock tunnel construction, (one tube in each direction)
- Connecting road and concrete structures in each open cut
- 4 electrical power distribution stations
- 3 pumping stations
- 20 escape routes between each tube
- Rock excavation approx. 1,140,000 m³
- Soil excavation approx. 220,000 m³
- Continuous pre-grouting
- No production tunnel – tunnelling carried out from two separate sites



In the tunnels

- Tunnel cross section: 135 m²
- Cable culvert with concrete embedded cable ducting
- Concrete walls on both sides of the tunnels (height: 5m)
- Concrete barriers on both sides
- Suspended membrane lining w. netting+shotcrete

West side (at Flemingsberg)

- Large open cut in rock - max. slope height approx. 25 m
- Approx. 250m road, in concrete trough construction
- Installation building (contains sewage handling, water reservoir for fire fighting, and power supply), incl. one access road

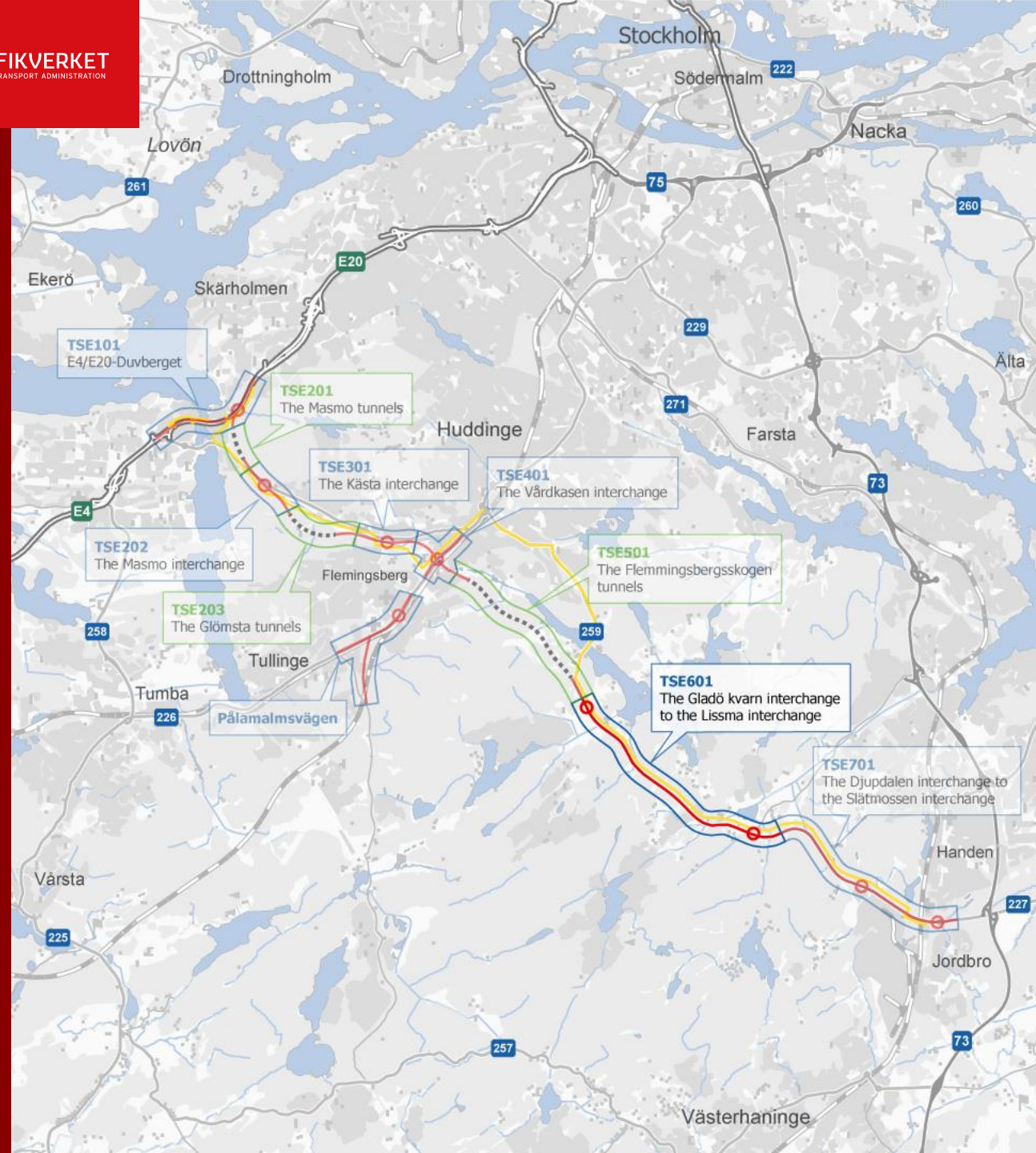
East side (at Gladö)

- Large open cut in rock - max. slope height approx. 25 m
- Approx. 450 m road
- 50m long fire gas barrier in concrete
- Rerouting of existing road nr 259 incl. new pedestrian way and cycle track



TSE601

The Gladö kvarn interchange
to the Lissma interchange





TSE601

The Gladö kvarn interchange to the Lissma interchange

BUILD ONLY CONTRACT

with construction responsibility for building works

Contract period: about 5 years

Estimated contract value: 100 – 120 m EUR

Gladö kvarn interchange, overview

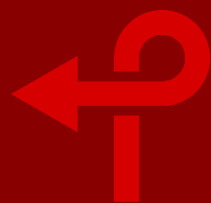


Lissma interchange, overview



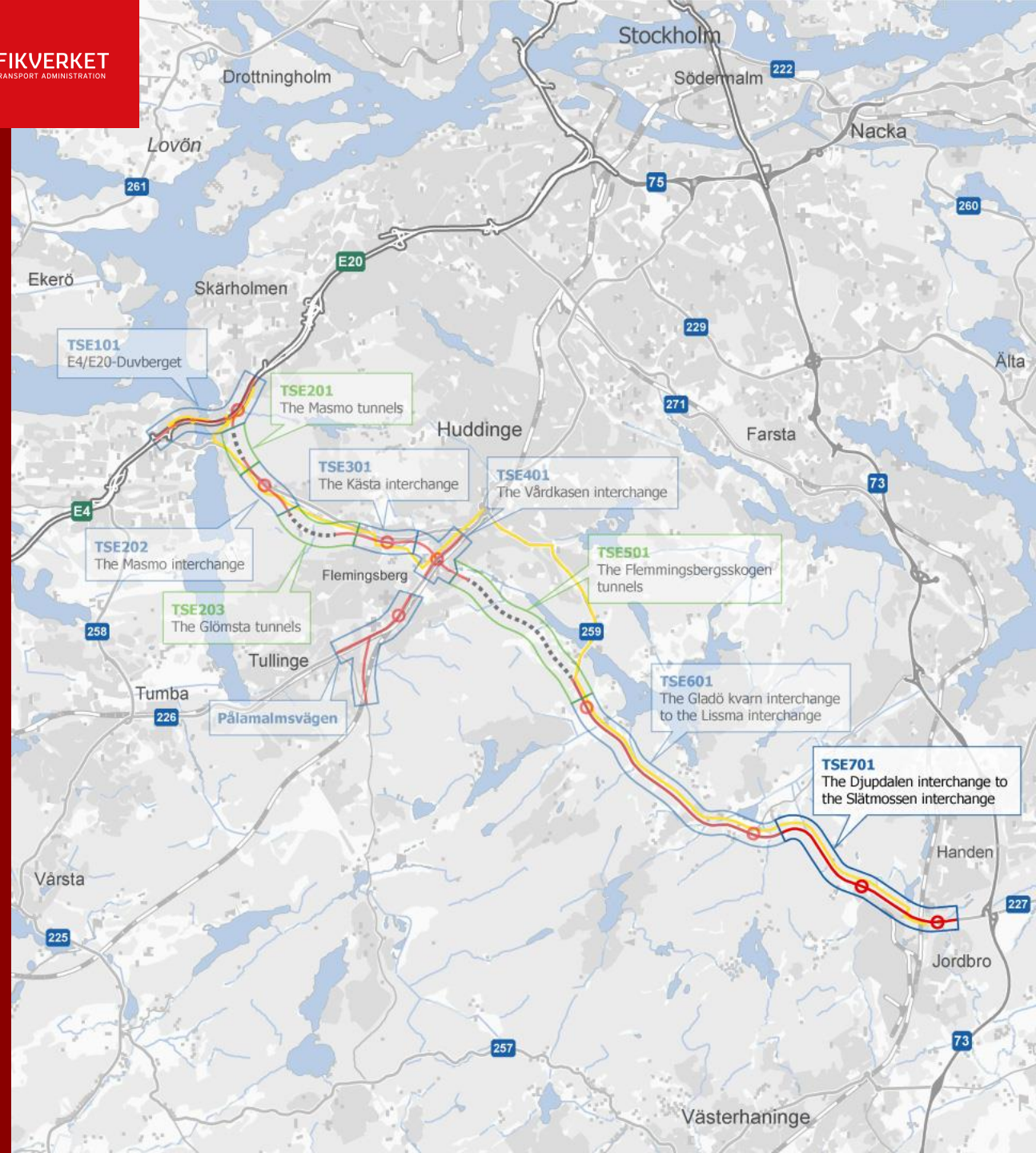
Construction includes

- 5.5 km widening of existing Route 259
- 2 interchanges
- 7.5 km new pedestrian and cycle path
- 15 road bridges
- 4 pipe bridges
- 3 supporting walls
- 10 treatment plants
- 5 technical kiosks
- 1 pumping station
- 3 km noise protection barriers (some of which are 5 m high)
- Production adjacent to traffic and nature reserves



TSE701

The Djupdalen interchange to the Slätmossen interchange





TSE701

The Djupdalen interchange to the Slätmossen interchange

DESIGN AND BUILD CONTRACT

Contract period: about 5 years

Estimated contract value: 100 – 150 m EUR

Djupdalen interchange, overview



Slätmossen interchange, overview



Construction includes

- 5 km widening of existing Route 259
- 2 interchanges
- 5 km new pedestrian and cycle path
- 8 road bridges
- 5 technical kiosks
- 2.5 km noise protection barriers
- 8 ponds
- Production adjacent to traffic and nature reserves

