TRAFIKVERKET

SWEDISH TRANSPORT ADMINISTRATION

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

Join us in building

The Södertörn Crosslink Project

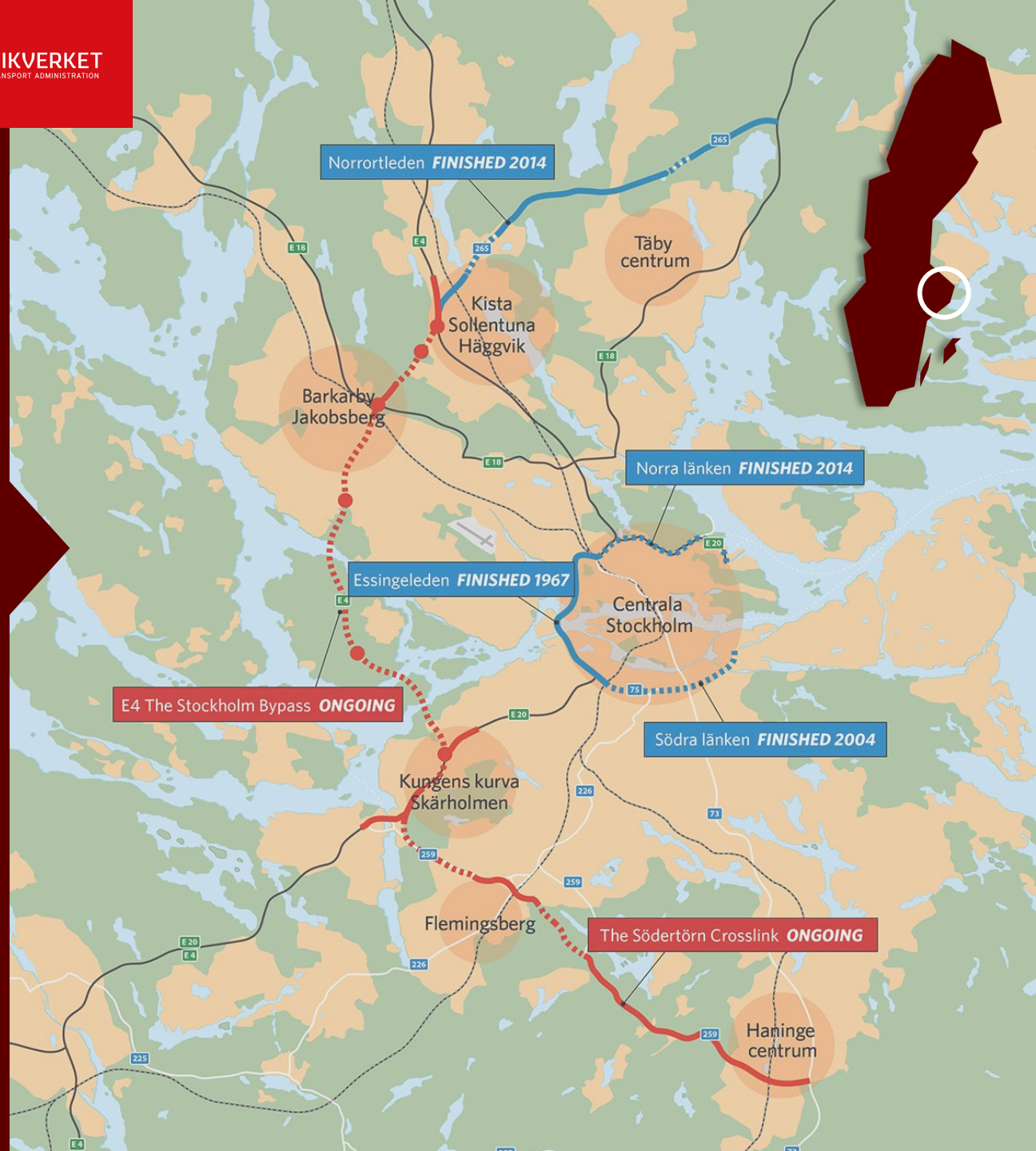
Name and title

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

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



TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

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

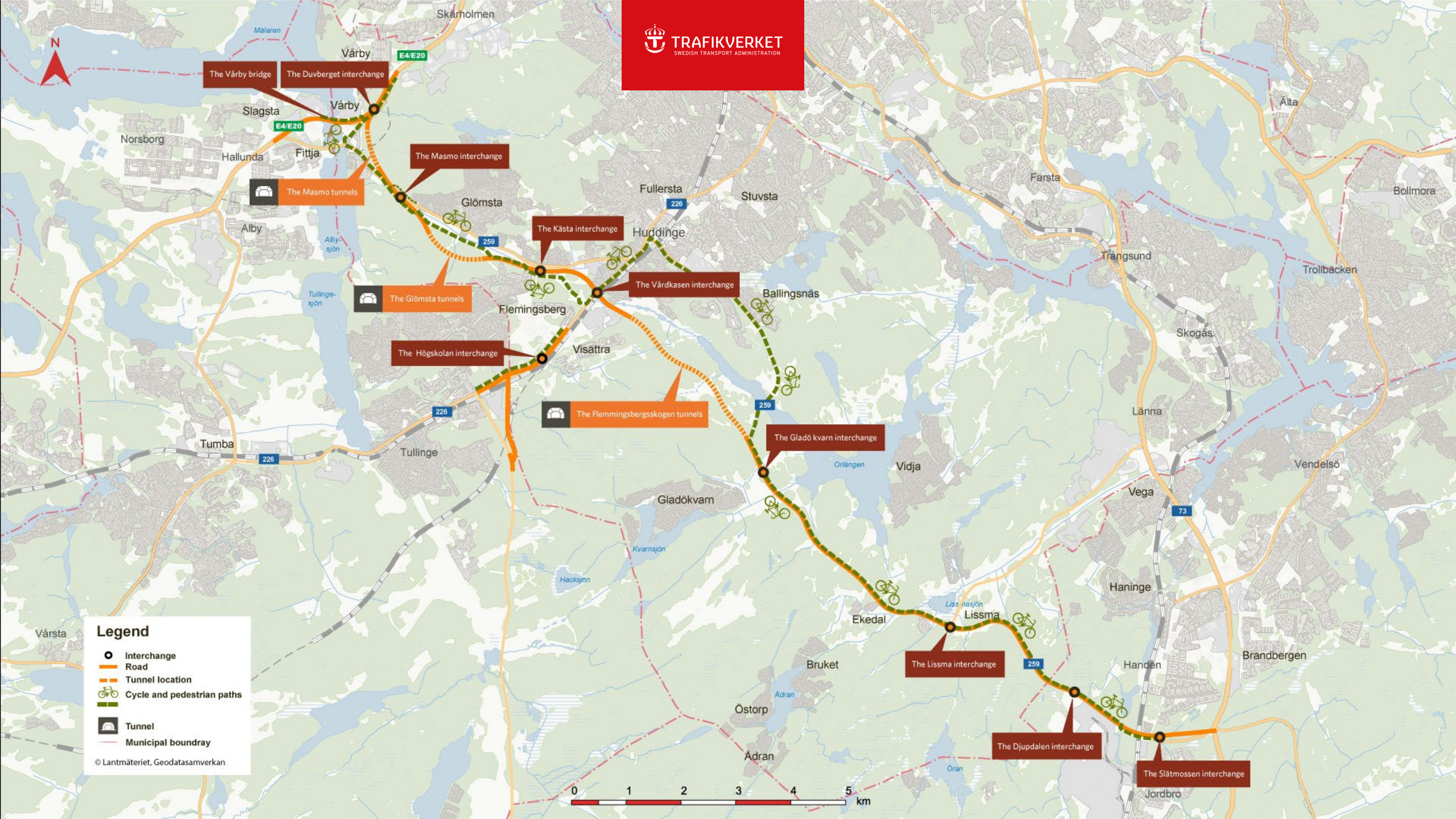
25 % in tunnels

New bridges

Approx. 10-year construction time

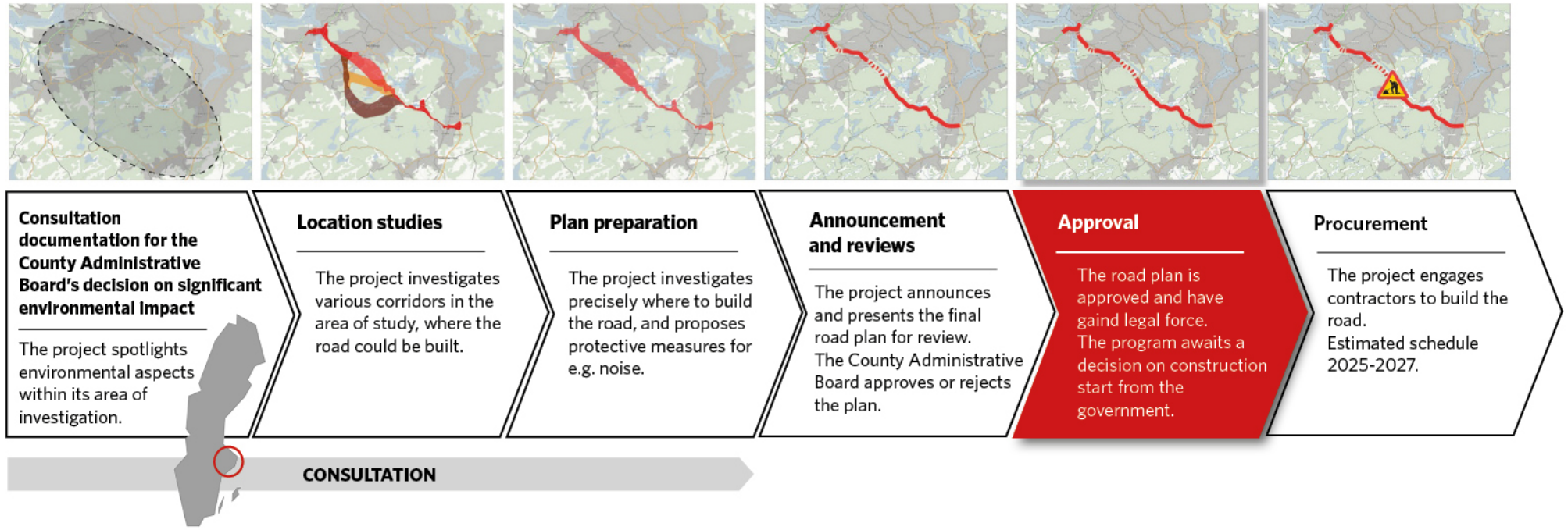
80–100 km/h

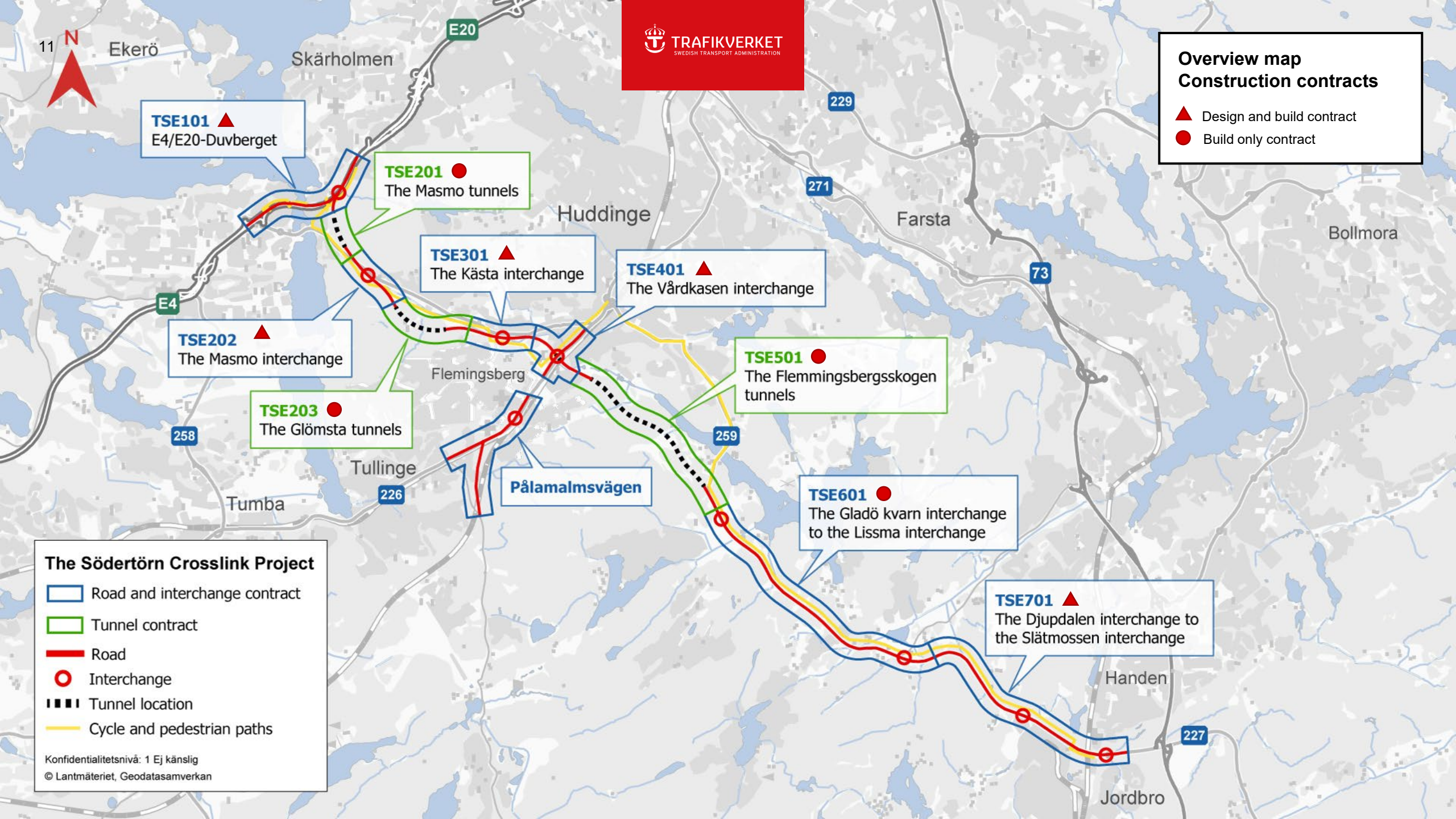
1 ekoduct


TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION
N
The Vårby bridge
The Duvberget interchange
The Masmo interchange
The Masmo tunnels
The Kästa interchange
The Glömsta tunnels
The Vårdkasen interchange
The Högskolan interchange
The Flemmingsbergsskogen tunnels
The Gladö kvarn interchange
The Lissma interchange
The Djupdalen interchange
The Slätmossen interchange
Skärholmen
Mälaren
Vårby
E4/E20
Slagsta
Norsborg
Hallunda
Fittja
Alby
Alby-sjön
Tullinge-sjön
Glömsta
Fullersta
Stuvsta
Huddinge
Flemingsberg
Ballingsnäs
Visättra
Tumba
Tullinge
Gladökvarn
Kvarnsjön
Hacksjön
Vidja
Orlången
Ekedal
Lissma
Liss nasjön
Bruket
Östorp
Ädran
Öran
Vårsta
Farsta
Älta
Bollmora
Trangsund
Trollbäcken
Skogås
Länna
Vega
Vendelsö
Haninge
Handen
Brandbergen
Jordbro
226
259
73
0
1
2
3
4
5
km
Legend
Interchange
Road
Tunnel location
Cycle and pedestrian paths
Tunnel
Municipal boundray
© Lantmäteriet, Geodatasamverkan

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

Progress thus far: 2024




N
Ekerö
Skärholmen
E20
TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION
Overview map
Construction contracts
Design and build contract
Build only contract
TSE101
E4/E20-Duvberget
TSE201
The Masmo tunnels
Huddinge
229
271
Farsta
Bollmora
73
TSE301
The Kästa interchange
TSE401
The Vårdkasen interchange
E4
TSE202
The Masmo interchange
TSE501
The Flemmingsbergsskogen tunnels
Flemingsberg
TSE203
The Glömsta tunnels
258
259
Tullinge
Pålamalmsvägen
226
Tumba
TSE601
The Gladö kvarn interchange to the Lissma interchange
TSE701
The Djupdalen interchange to the Slätmossen interchange
Handen
227
Jordbro
The Södertörn Crosslink Project
Road and interchange contract
Tunnel contract
Road
Interchange
Tunnel location
Cycle and pedestrian paths
Konfidentialitetsnivå: 1 Ej känslig
© Lantmäteriet, Geodatasamverkan

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

▲ Design and build contract
● Build only contract

Construction contracts

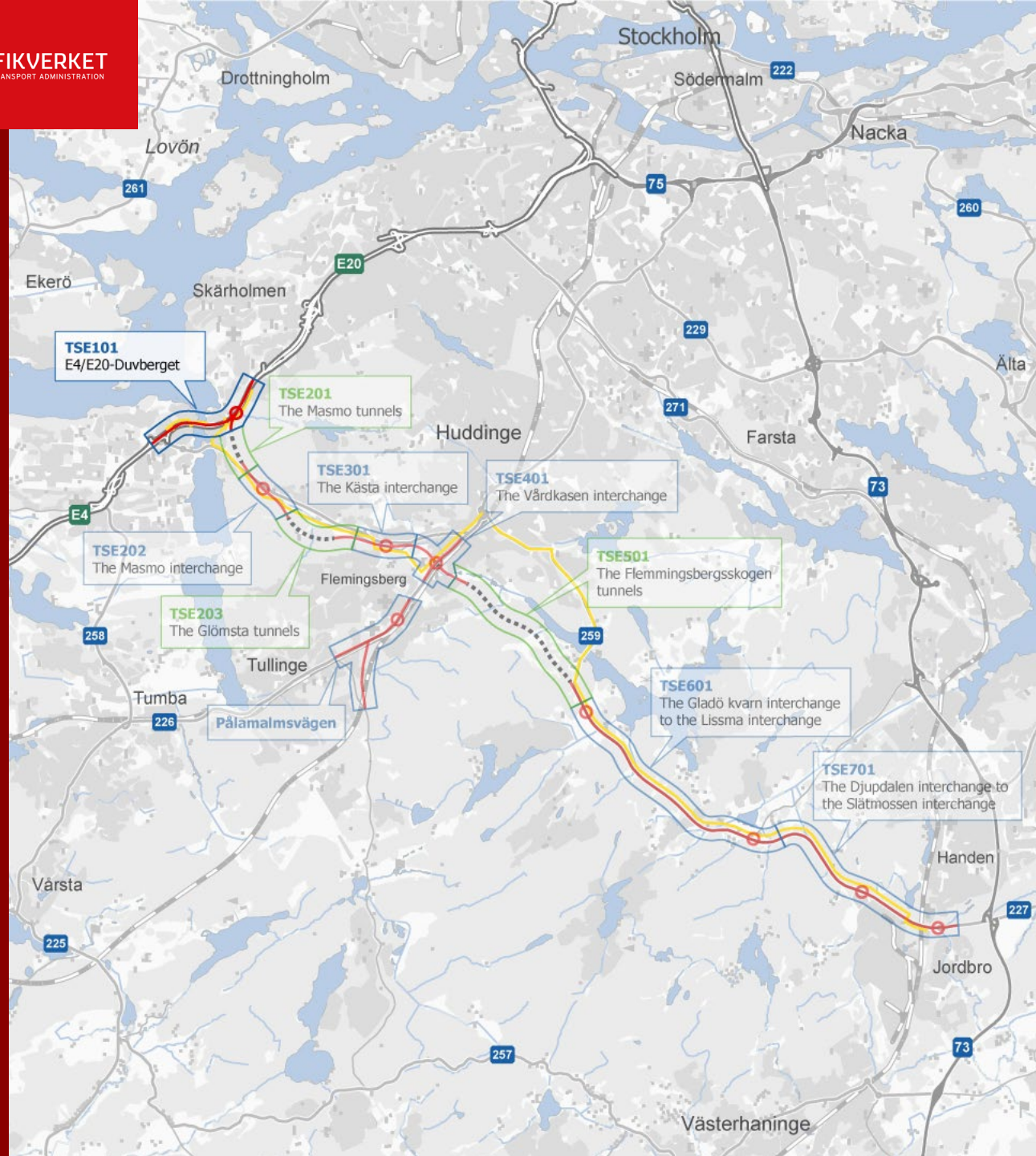
Design and build contracts Road ▲		
Number	**Estitmated cost (m EUR)**	**Preliminary publication**
TSE101	350 – 400	Quarter 1 2025
TSE202	120 –150	Quarter 1 2027
TSE301	80 – 90	Quarter 2 2026
TSE401	230 – 250	Quarter 3 2027
TSE701	100 – 150	Quarter 3 2028

Build only contracts Tunnel ●		
Number	**Estitmated 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	**Estitmated cost (m EUR)**	**Preliminary publication**
TSE601	100 – 120	Quarter 4 2028

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

TSE101
E4/E20-Duvberget



TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

TSE101
E4/E20-Duvberget

DESIGN AND BUILD CONTRACT

Collaboration contract with cost-plus invoicing

Contractor fee: 12%

Target price with incentives

Allocation based on added value

Contract period: approximately 8 years

Estimated contract value: 3 500 – 4 000 million SEK

Duvberget interchange, overview from the northeast

New Vårby bridges, overview from the south

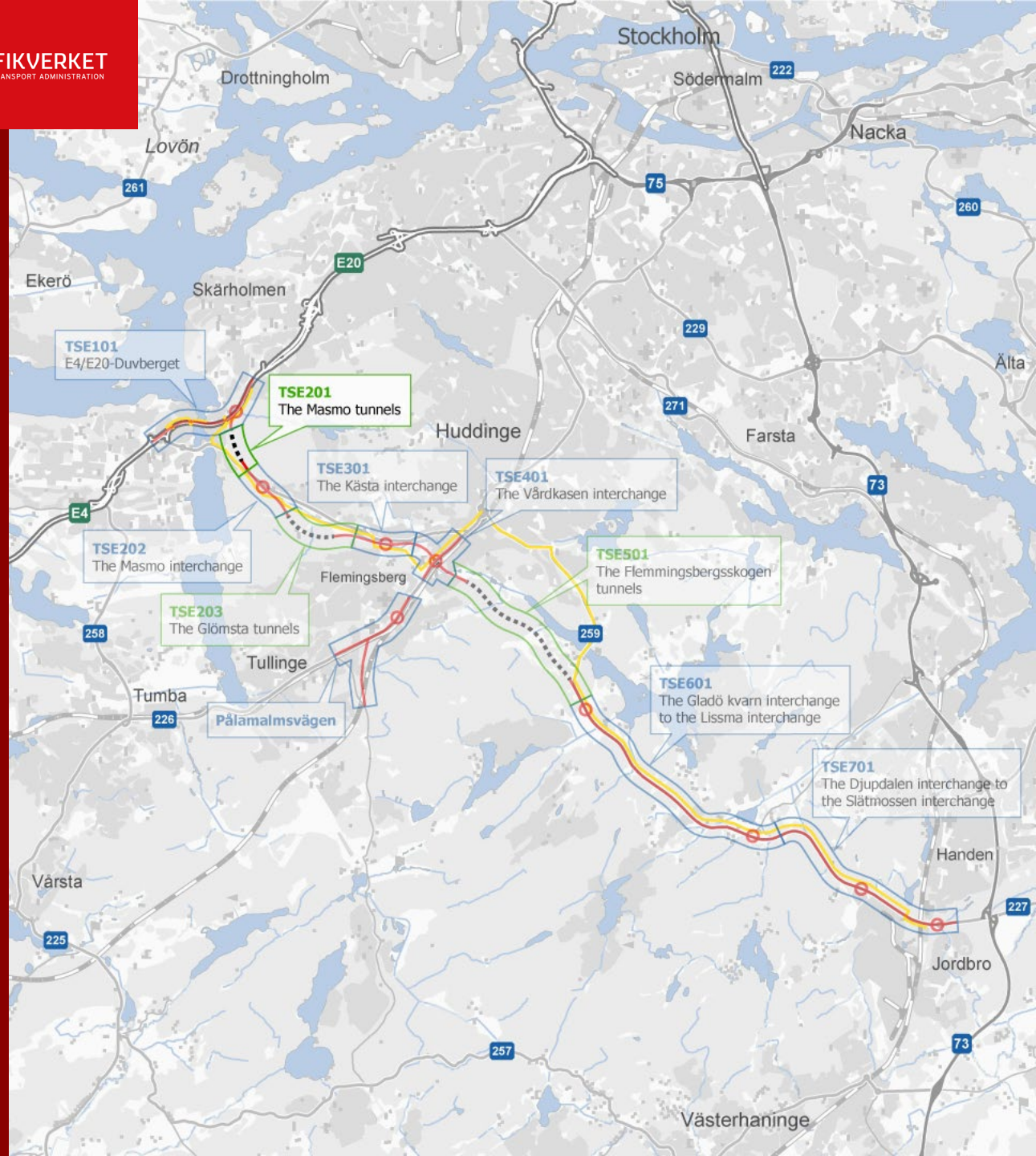
TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

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 m^3 of concrete
- Approx. 250,000 m^3 rock excavation
- Total of 19 new bridges
- There is a solution for the temporary traffic diversion

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

TSE201
The Masmo tunnels

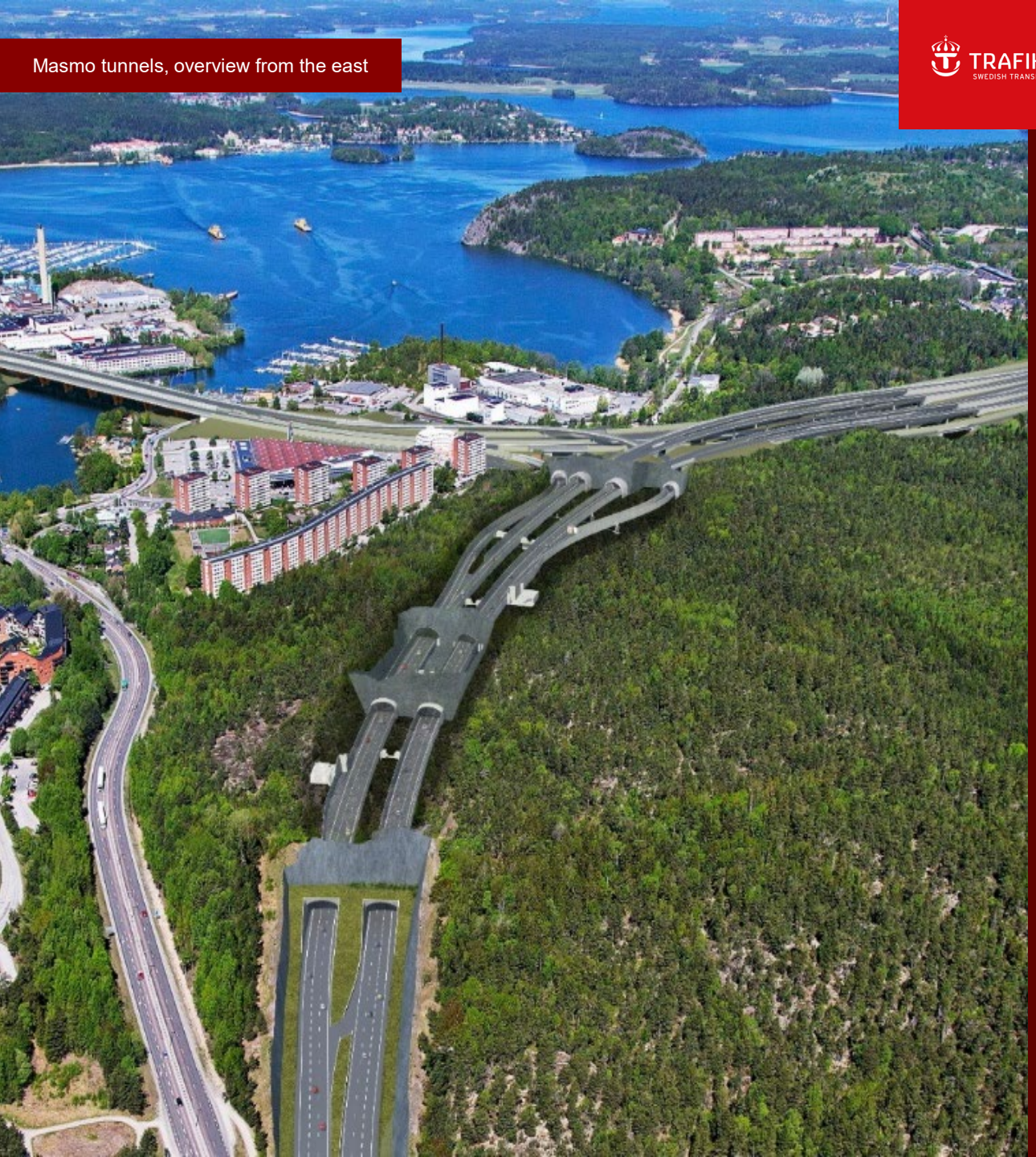


TSE201
The Masmo tunnels

BUILD ONLY CONTRACT
with construction responsibility for concrete structures

Contract period: about 5-6 years

Estimated contract value: 120 – 150 m EUR



Masmo tunnels, overview from the east

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

Construction includes

- Tunnel length 750 m, of which:
  - 640 m concrete tunnel
  - 110 m rock tunnel
- Soil excavation approx. 52,000 m^3
- Rock excavation approx. 765,000 m^3
- 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

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

In the tunnel

- Cross-sectional area: approx. 170 m^2 (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 m^3

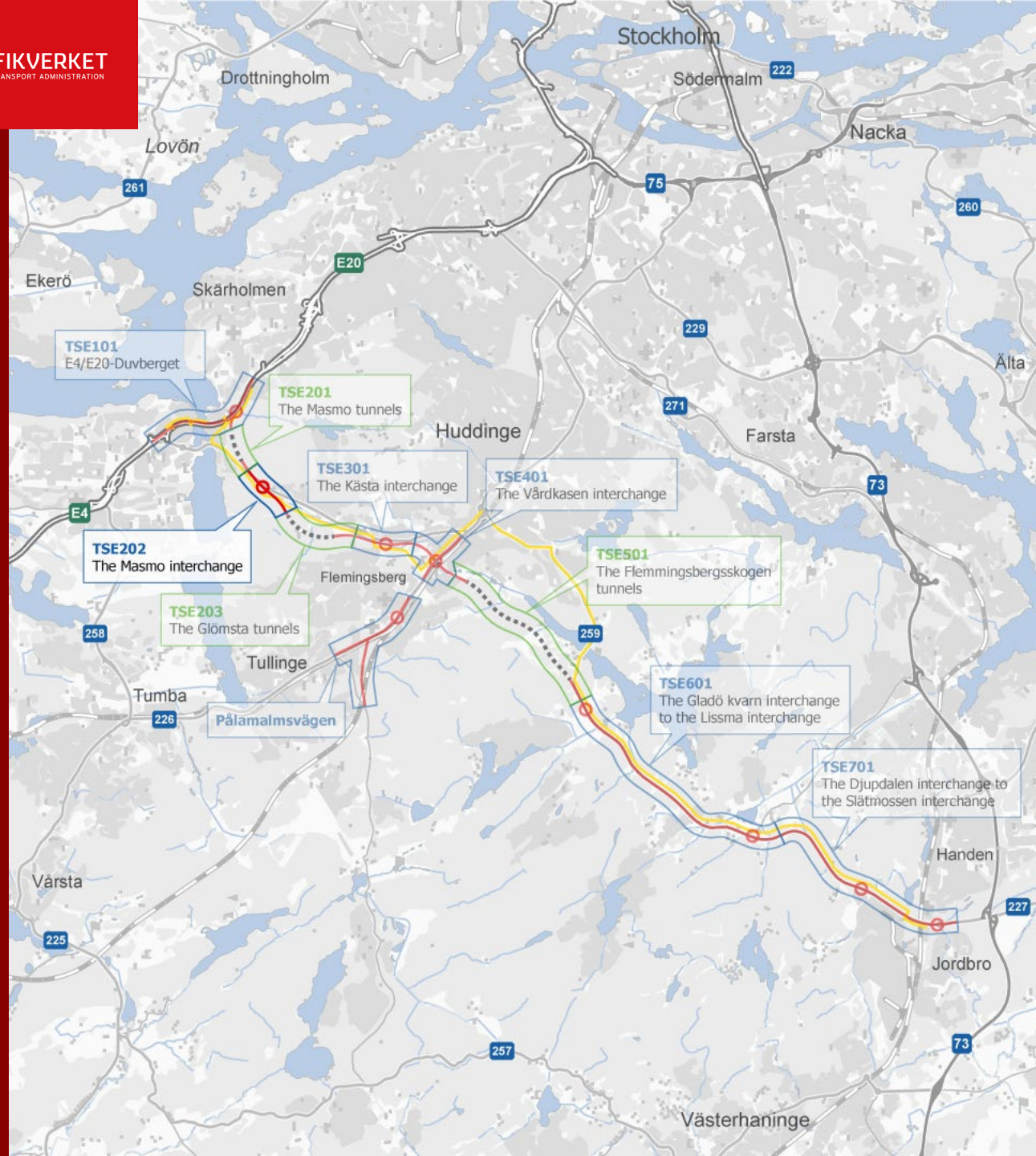
Northern section of the Masmo tunnel

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

Entrance to rock tunnels at Masmo, from the east

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

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

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

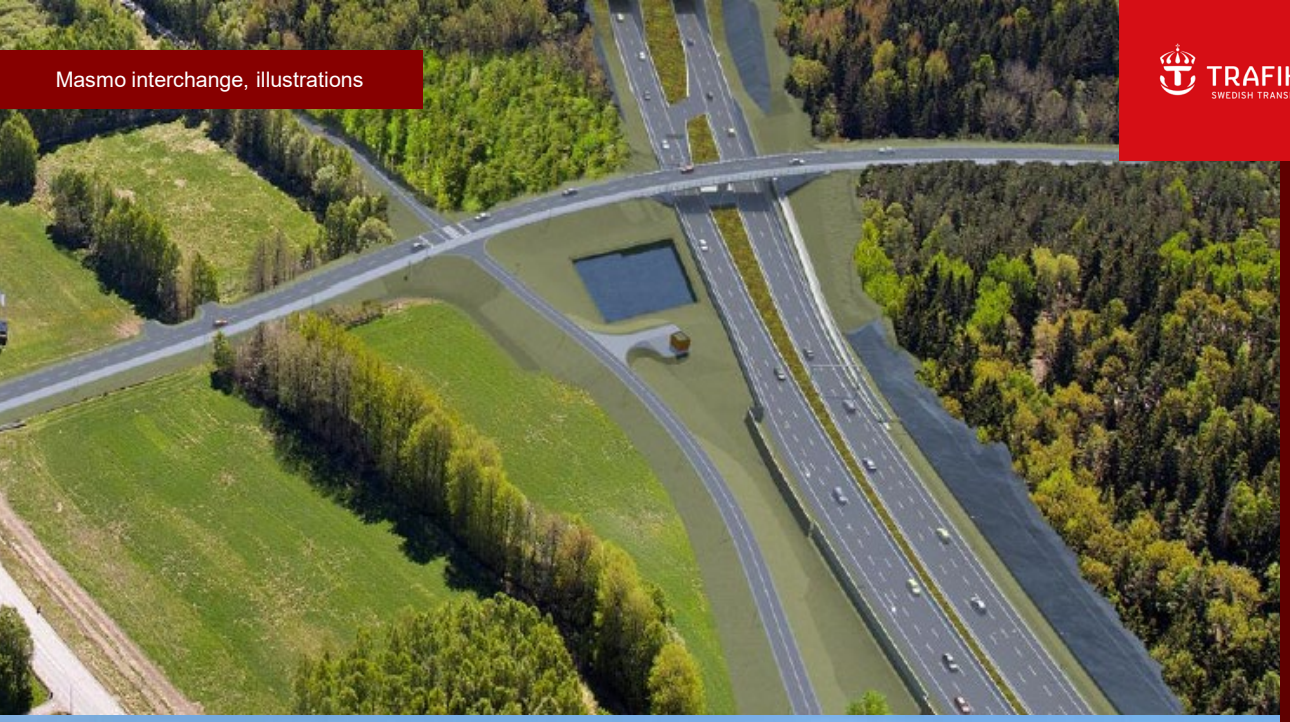
TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

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 m^2 (90 x 60 m)

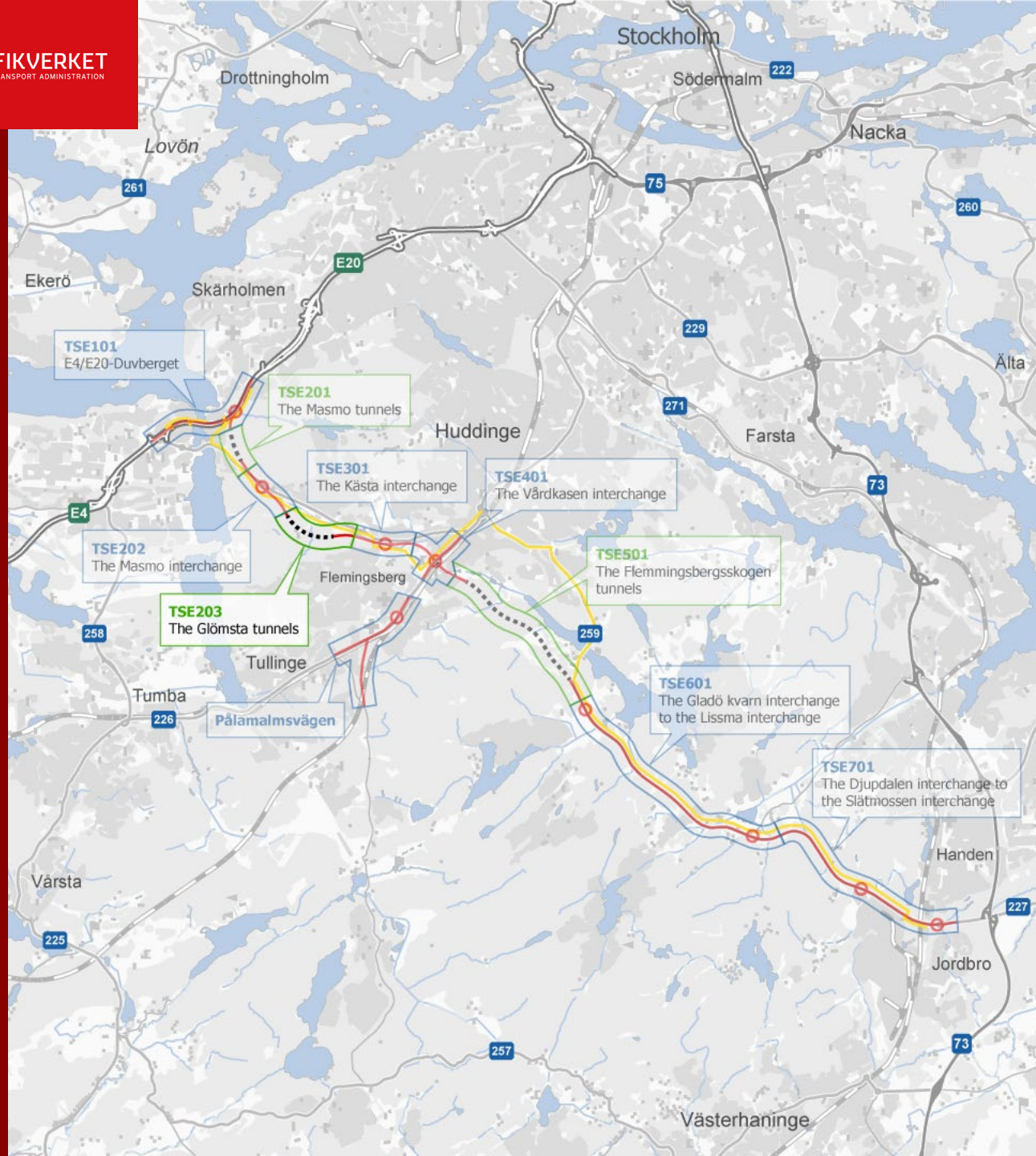
Masmo interchange, illustrations

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION



TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

TSE203
The Glömsta tunnels

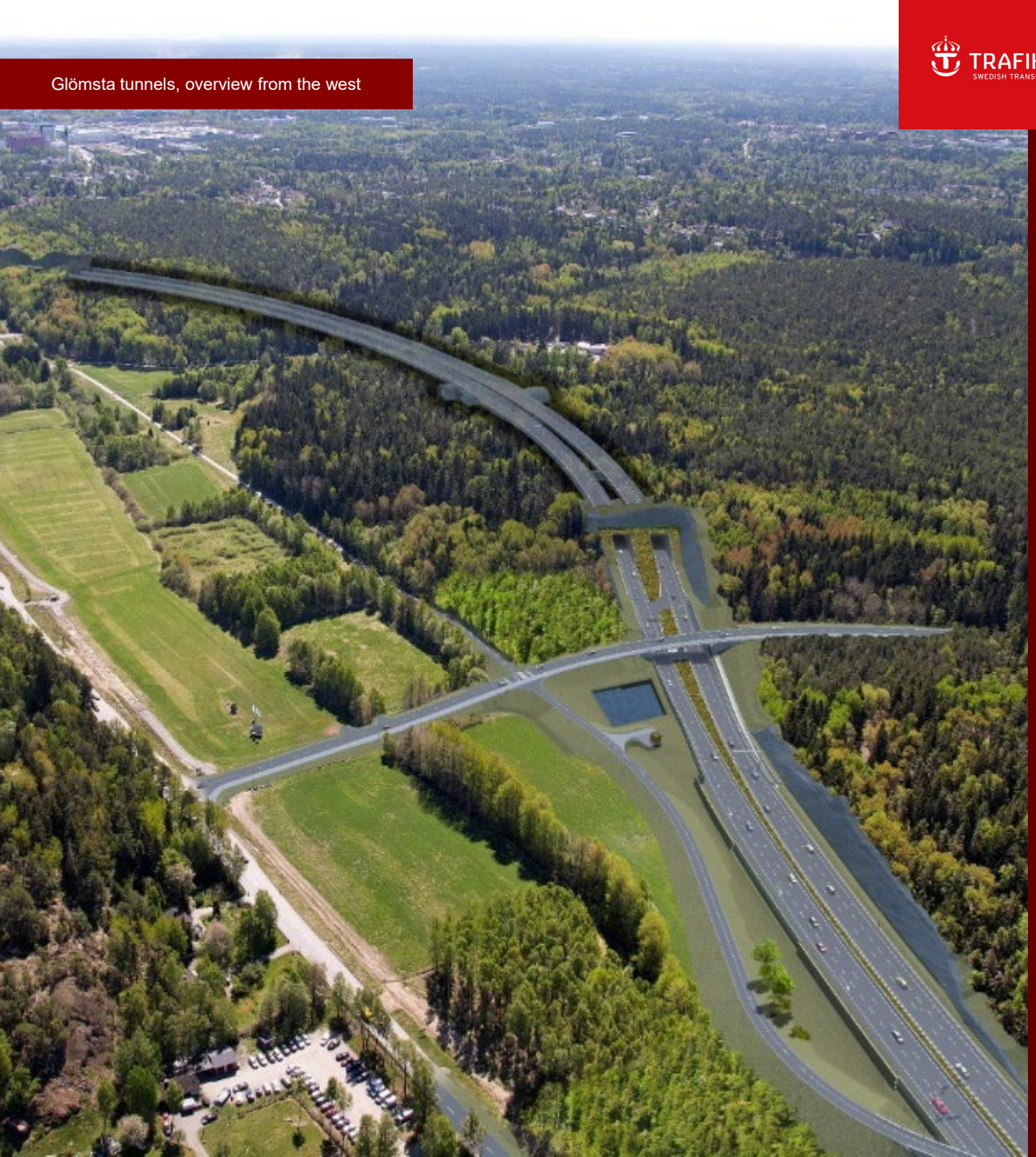


TSE203
The Glömsta tunnels

BUILD ONLY CONTRACT
with construction responsibility for concrete structures

Contract period: about 5 years

Estimated contract value: 120 – 150 m EUR



Glömsta tunnels, overview from the west

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

Construction includes

- Tunnel length 1100 m, 2 lanes
- Soil excavation approx. 63,000 m^3
- Rock excavation approx. 691,000 m^3
- 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 m^2
- 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 m^3
- Geo reinforcement, lime-cement columns approx. 7,000 pcs
- Pedestrian and cycle path, approx. 350 m
- District heating pipes

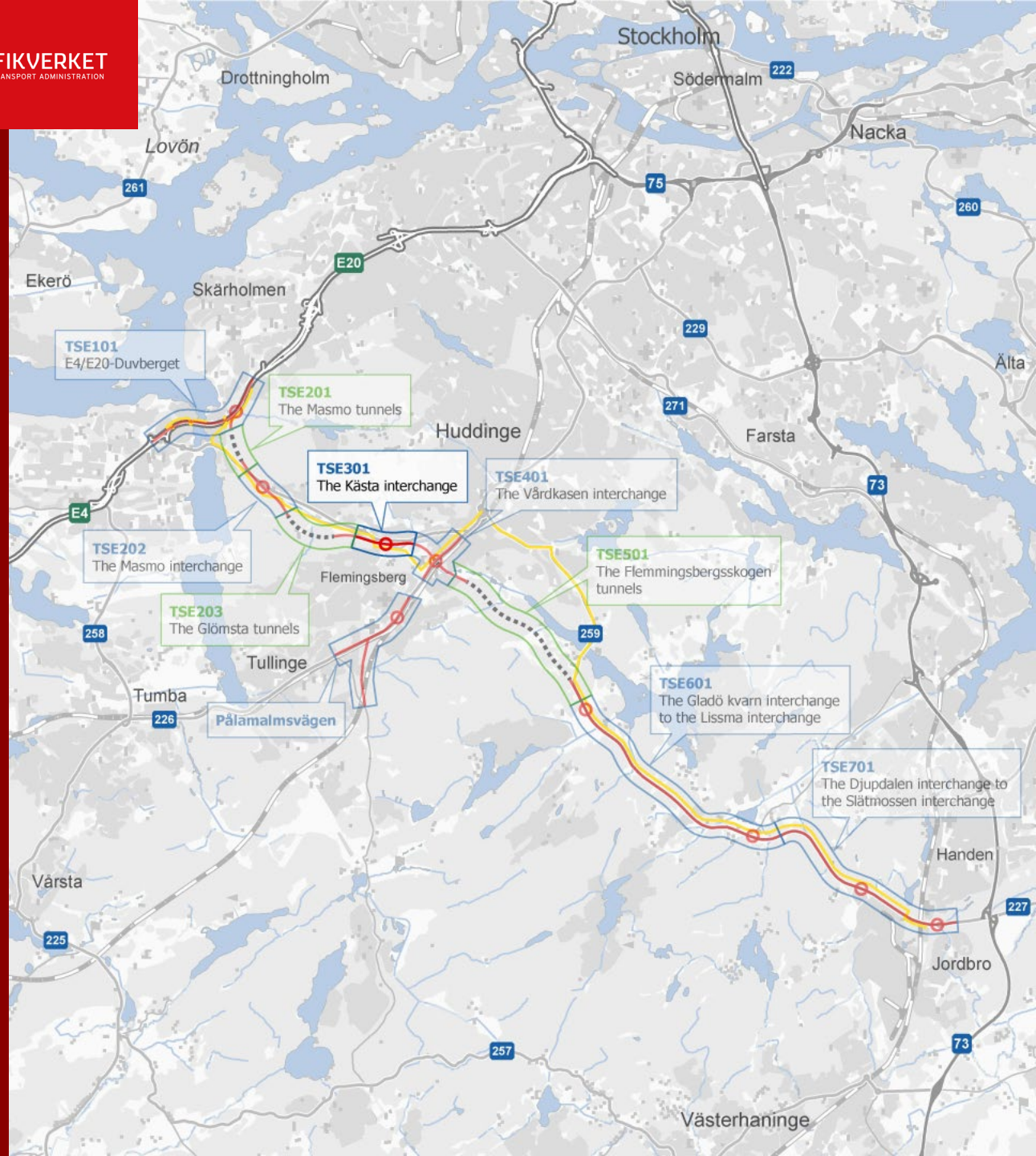
Eastern section of the Glömsta tunnel

- Open cut, approx. 25 m high and 45 m wide
- Road on surface, approx. 100 m
- Volume of rock approx. 60,000 m^3
- Contract boundary is moved when rock excavation is completed

Entrance to the tunnels at Glömsta, eastern section

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

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

Kästa interchange, overview

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

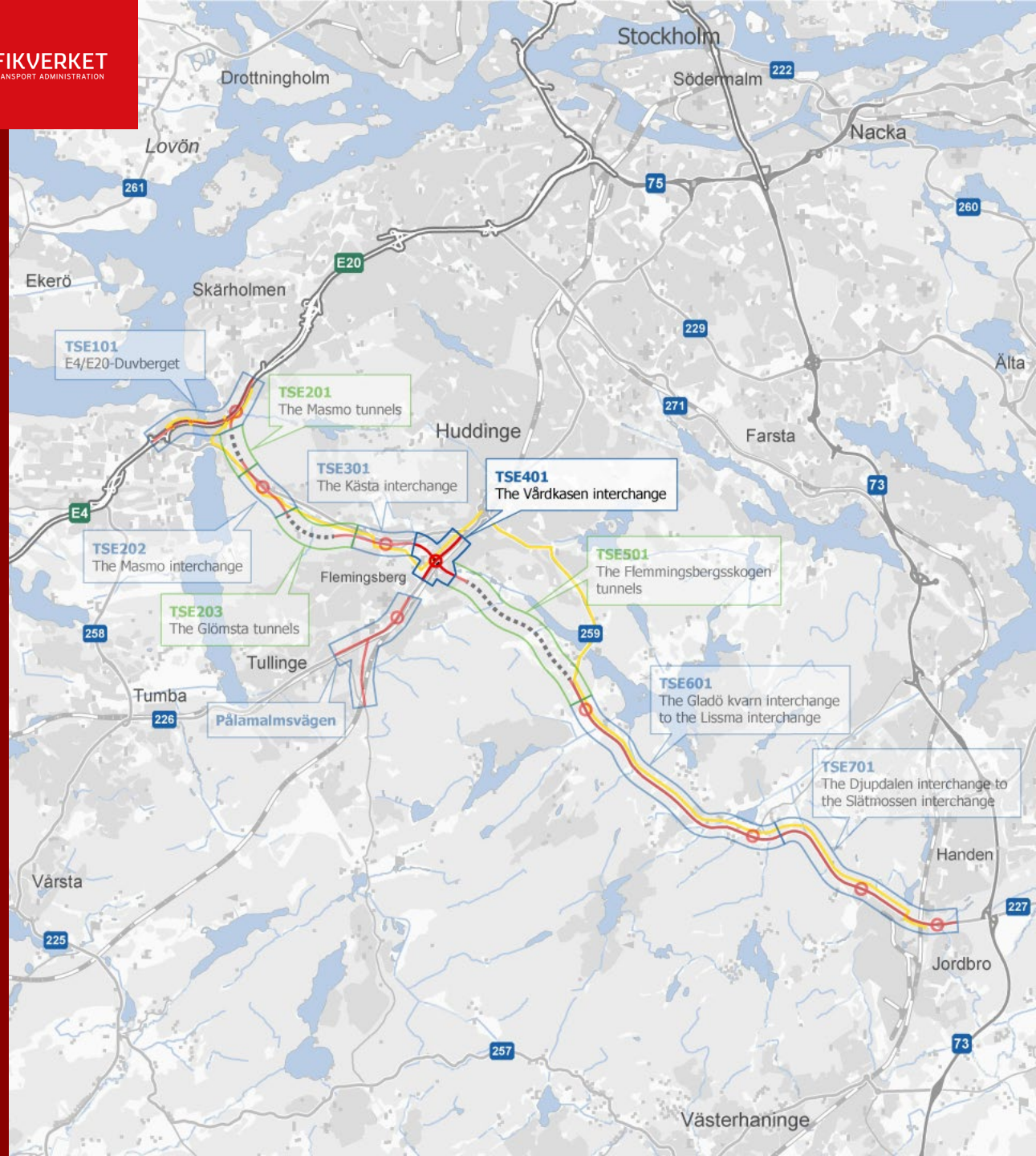
TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

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

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

TSE401
The Vårdkasen interchange



TSE401
The Vårdkasen interchange

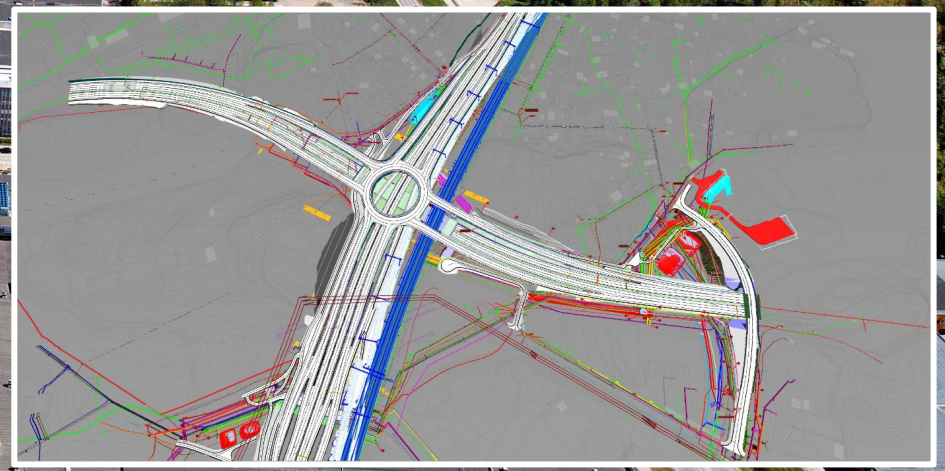
DESIGN AND BUILD CONTRACT

Contract period: about 8 years

Estimated contract value: 230 – 250 m EUR

The Vårdkasen interchange, overview

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

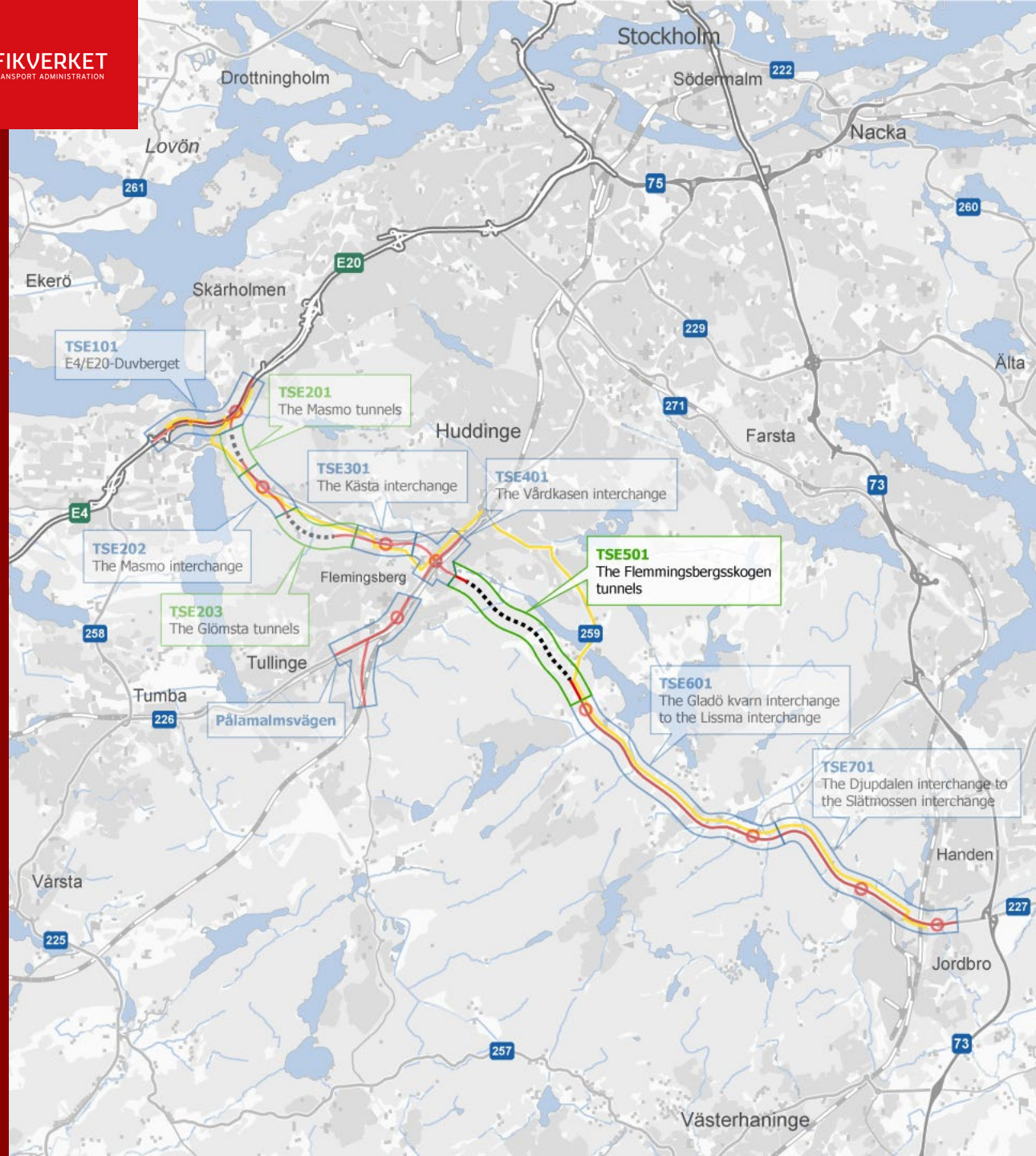


Construction includes

- 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

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

TSE 501
The Flemingsbergsskogen tunnels



TSE 501
The Flemingsbergsskogen tunnels

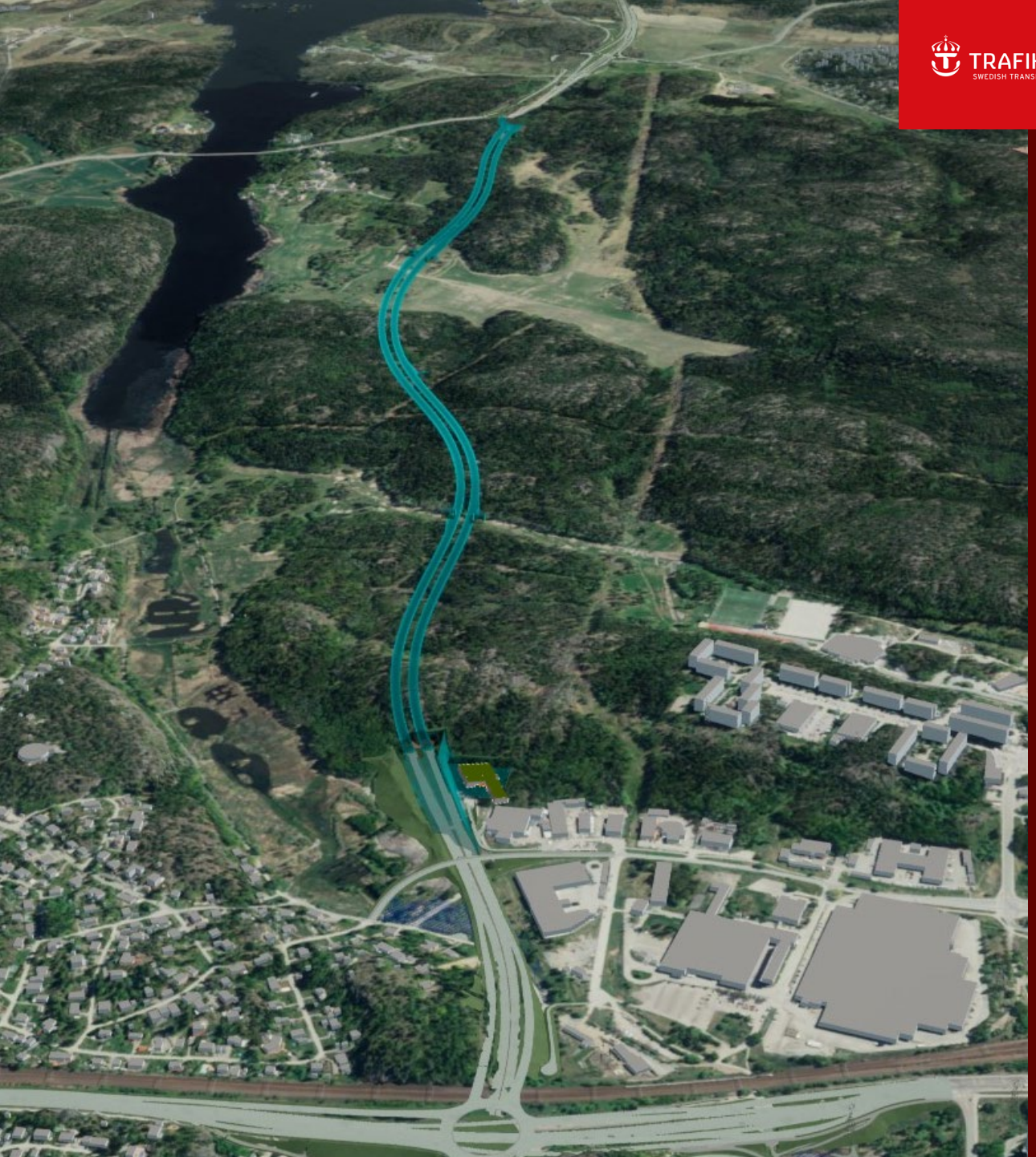
BUILD ONLY CONTRACT
with construction responsibility for concrete structures

Contract period: about 6-7 years

Estimated contract value: 250 – 300 m EUR

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

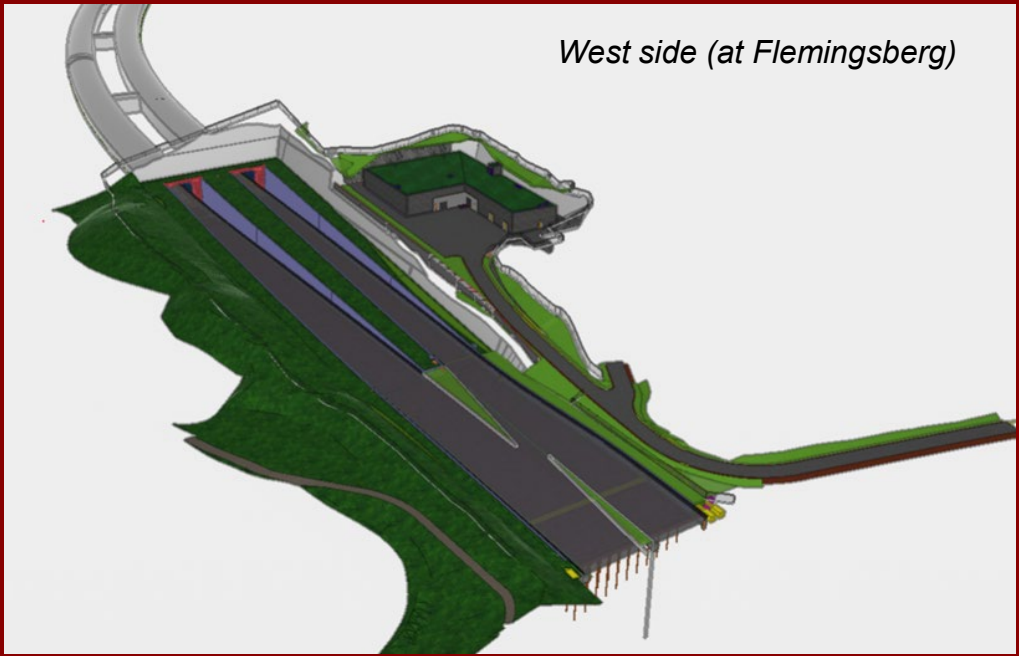
Flemingsbergsskogen tunnels, overview



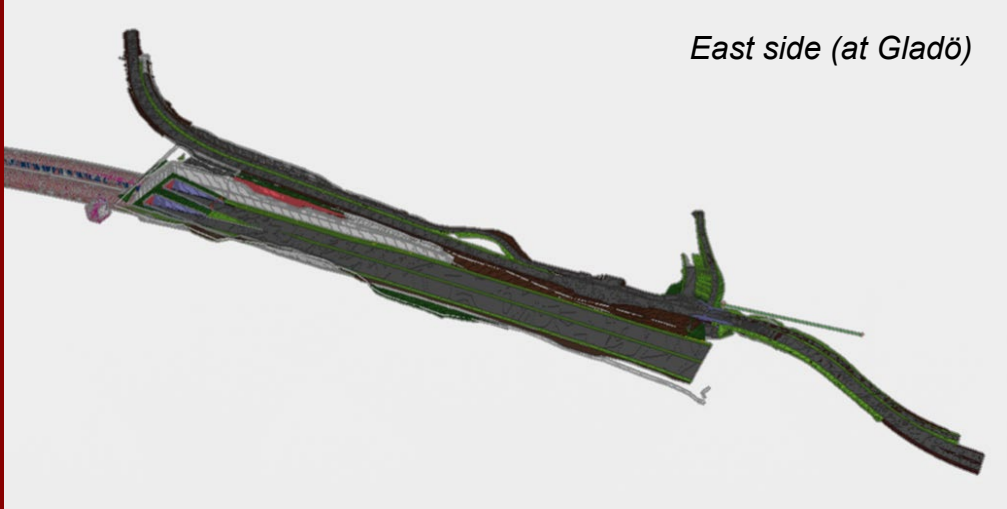
TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

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 m^3
- Soil excavation approx. 220,000 m^3
- Continuous pre-grouting
- No production tunnel – tunnelling carried out from two separate sites



West side (at Flemingsberg)



East side (at Gladö)

In the tunnels

- Tunnel cross section: 135 m^2
- 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)

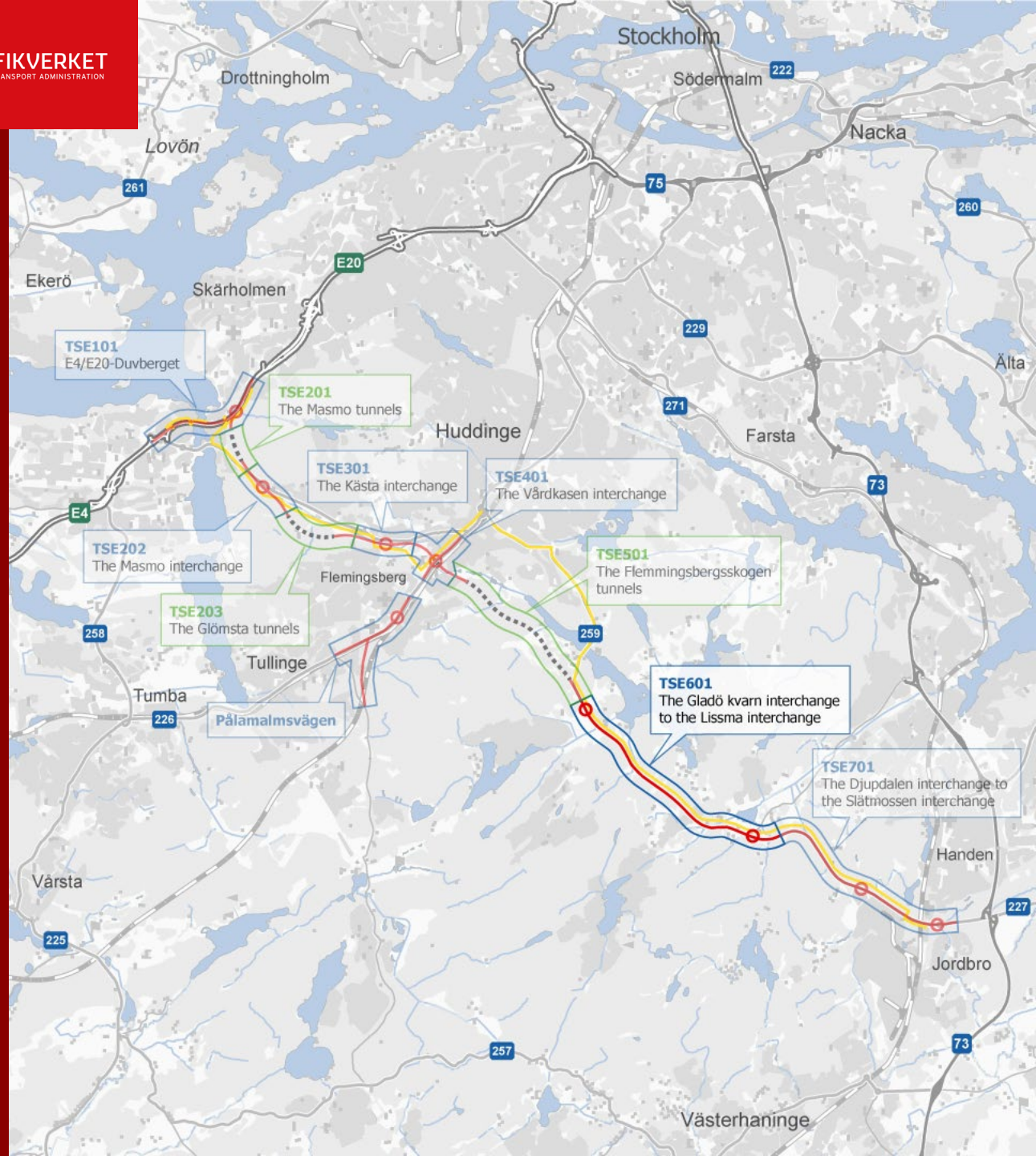
- Large open cut in rock - max. slope height approx. 25 m
- Approx. 250m road, in concrete trough construction
- Installation building (contains sewage handling, water reservoir for fire fighting, and power supply), incl. one access road

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

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

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

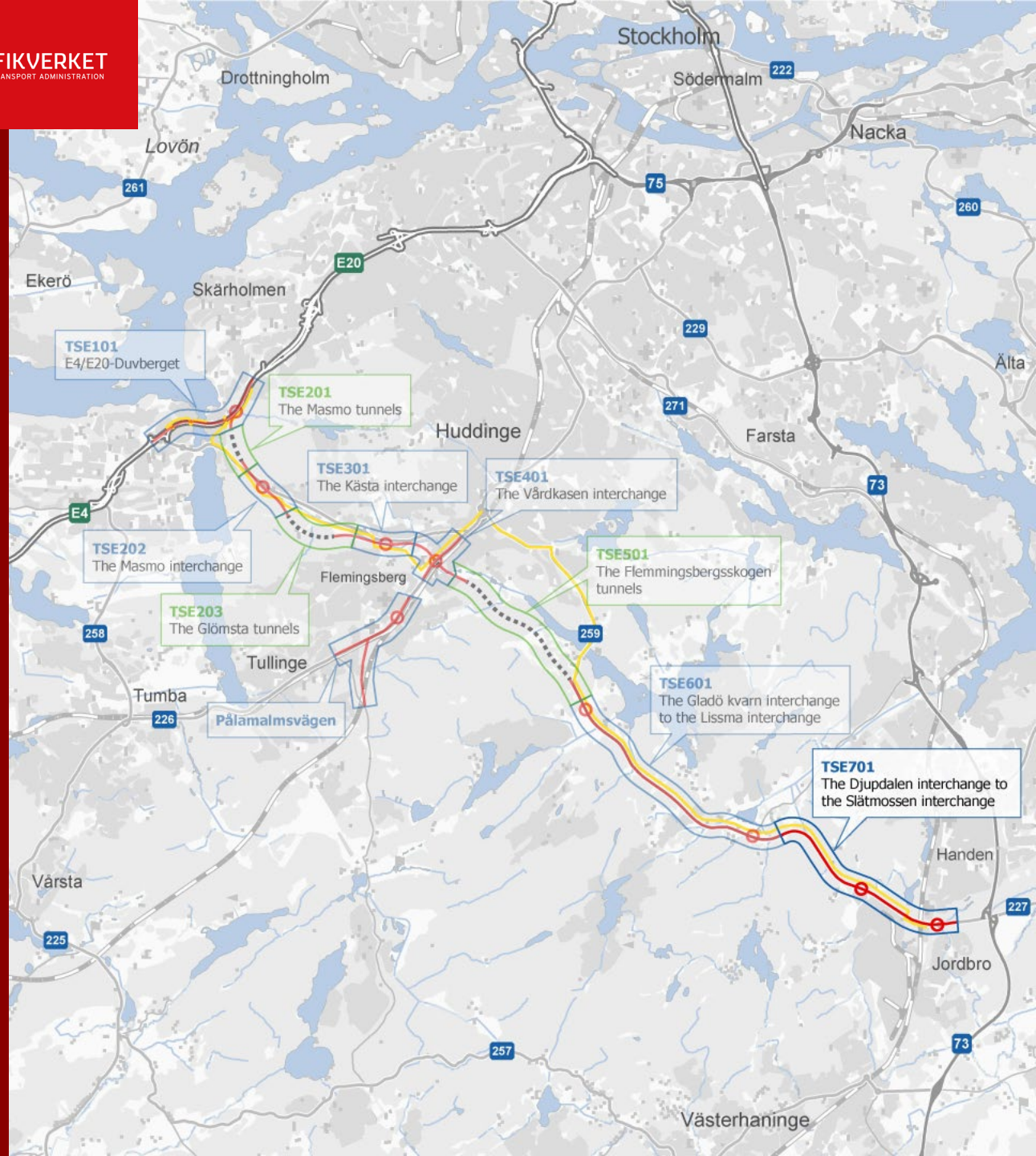
Lissma interchange, overview

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

TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

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

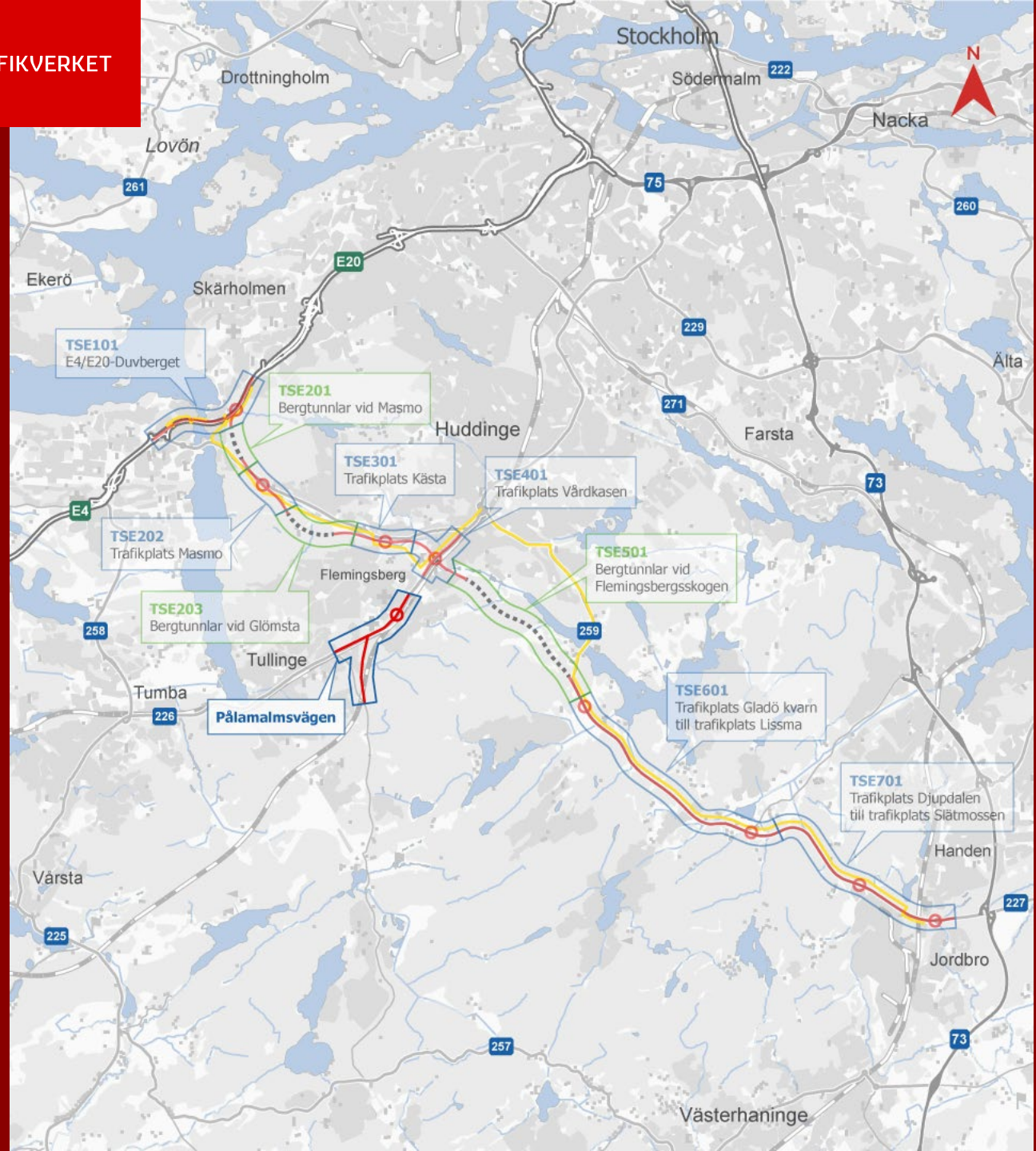
TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION

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

TRAFIKVERKET

Pålamalmsvägen



TRAFIKVERKET

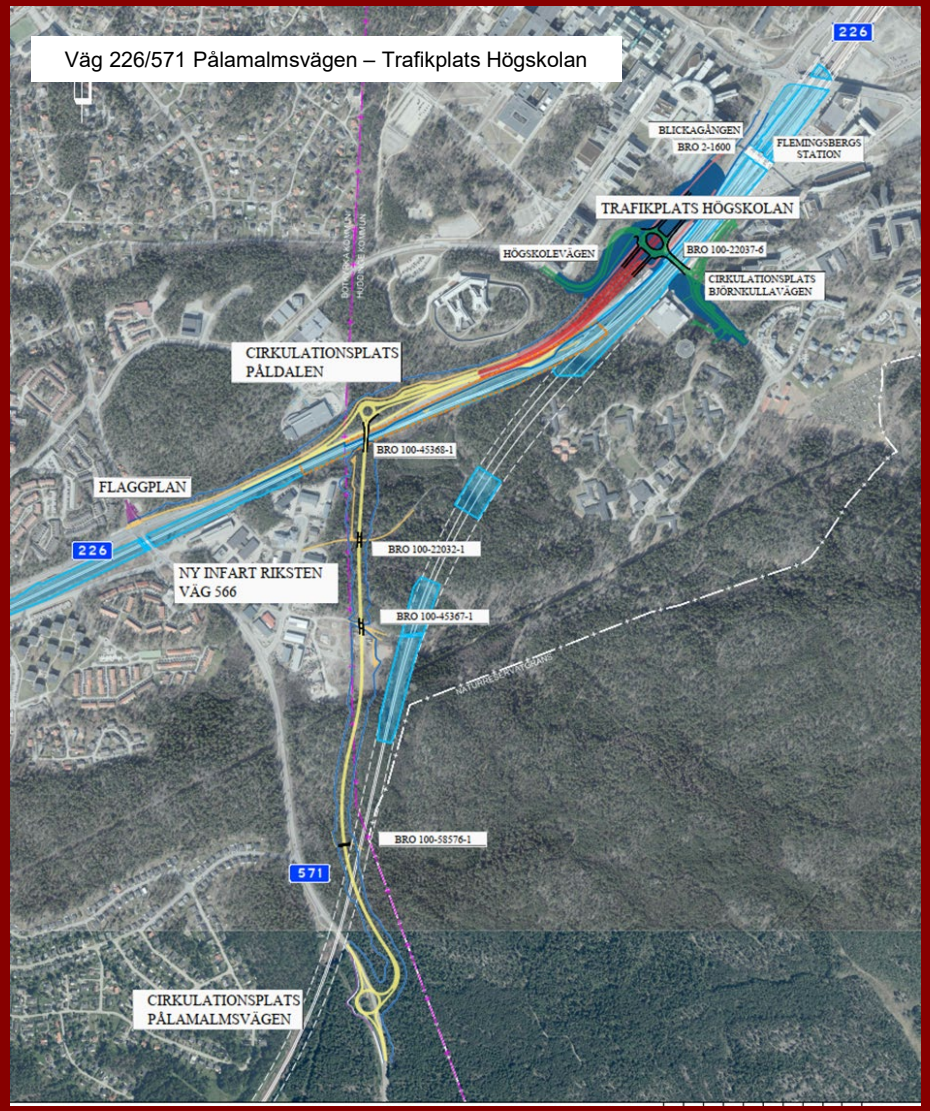
Pålamalmsvägen

DESIGN AND BUILD CONTRACT

Contract period: about 4 years

Estimated contract value: 110m EUR:

TRAFIKVERKET



Pålamalmsvägen

Road 226/571 Pålamalmsvägen - interchange Högskolan, within Botkyrka and Huddinge municipalitys, Stockholm County

Pre-qualification for procurement

KOM-416262 226/571 Pålamalmsvägen – Interchange Högskolan is published.

Deadline is: 2024-10-30

Useful contacts and information

Webbsite (Swe)	trafikverket.se/tvarforbindelsesodertorn
Webbsite Suppliers	Procurement – The Södertörn Crosslink project (trafikverket.se)
Planned procurements	Planned procurements (trafikverket.se)
Facebook	www.facebook.com/trafikverket
YouTube	Tvärförbindelse Södertörn
E-mail	Anna Andersson, *anna.f.andersson@trafikverket.se*