EIROPAS DZELZCEĻA LĪNIJAS

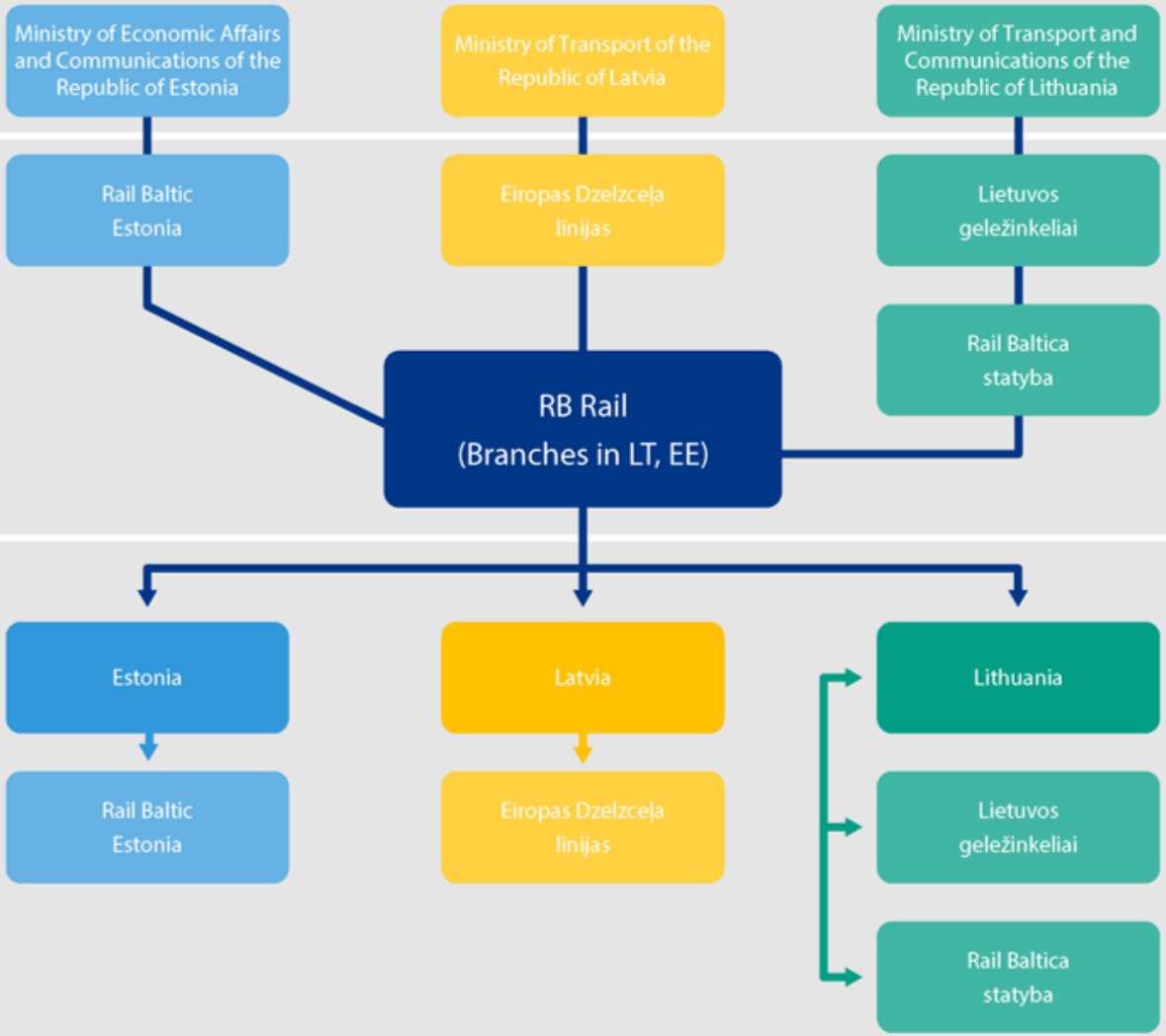
Rail Baltica
Regional Stations

Interested Suppliers meeting
10.06.2021

Part I
Rail Baltica

Rail Baltica

Project implementers

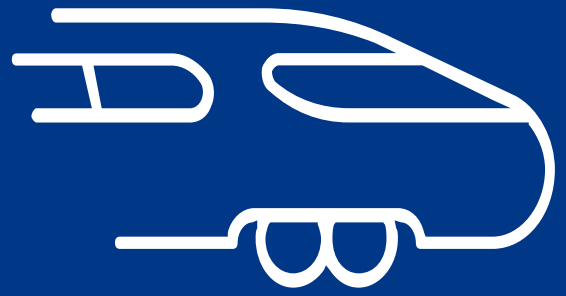


Beneficiaries – three ministries

RB Rail shareholders

Central project coordinator

National implementing bodies



What is Rail Baltica?

Rail Baltica

High Speed
Night Train
Freight

7 international passenger stations and several regional stations

3 intermodal terminals

Rail Baltica

Project technical parameters

Total Line Length	**870 km of which:** • **213 km in Estonia** • **265 km in Latvia** • **392 km in Lithuania**
Design Speed	• **249 km/h for passenger trains** • **120 km/h for freight trains**
Standard Gauge	**1435 mm**
Double-track Electrifed	**2x25kVAC**
Axle Load	**25 t**
Traffic Management	**ERTMS L2**
Max. Freight Train Lenght	**1050 m**

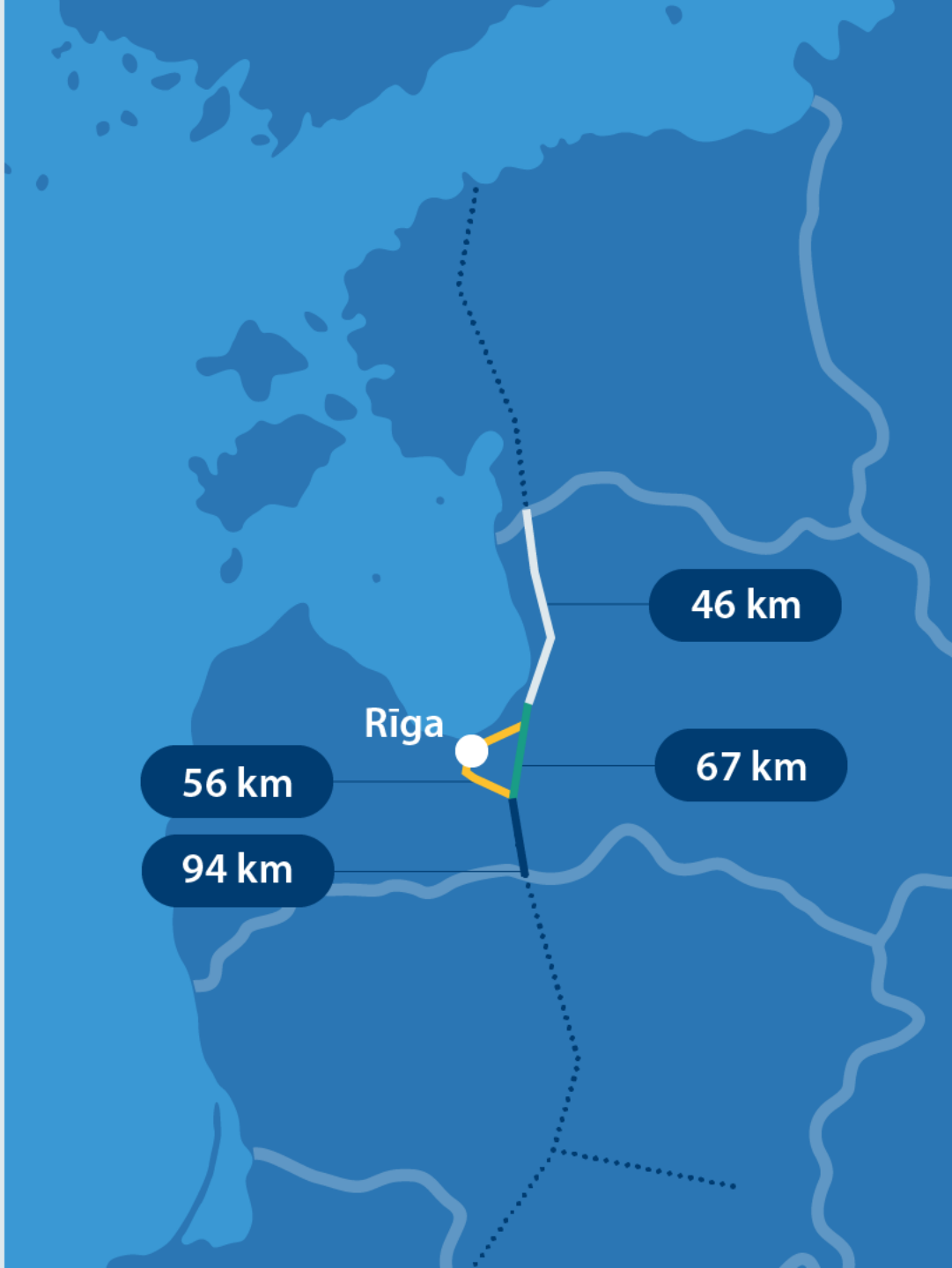
Detailed Technical Design in Latvia

Sections:

- Riga Central Section
- Vangaži to Misa
- Estonian/Latvian boarder – Vangaži
- Misa – Latvian/Lithuanian border

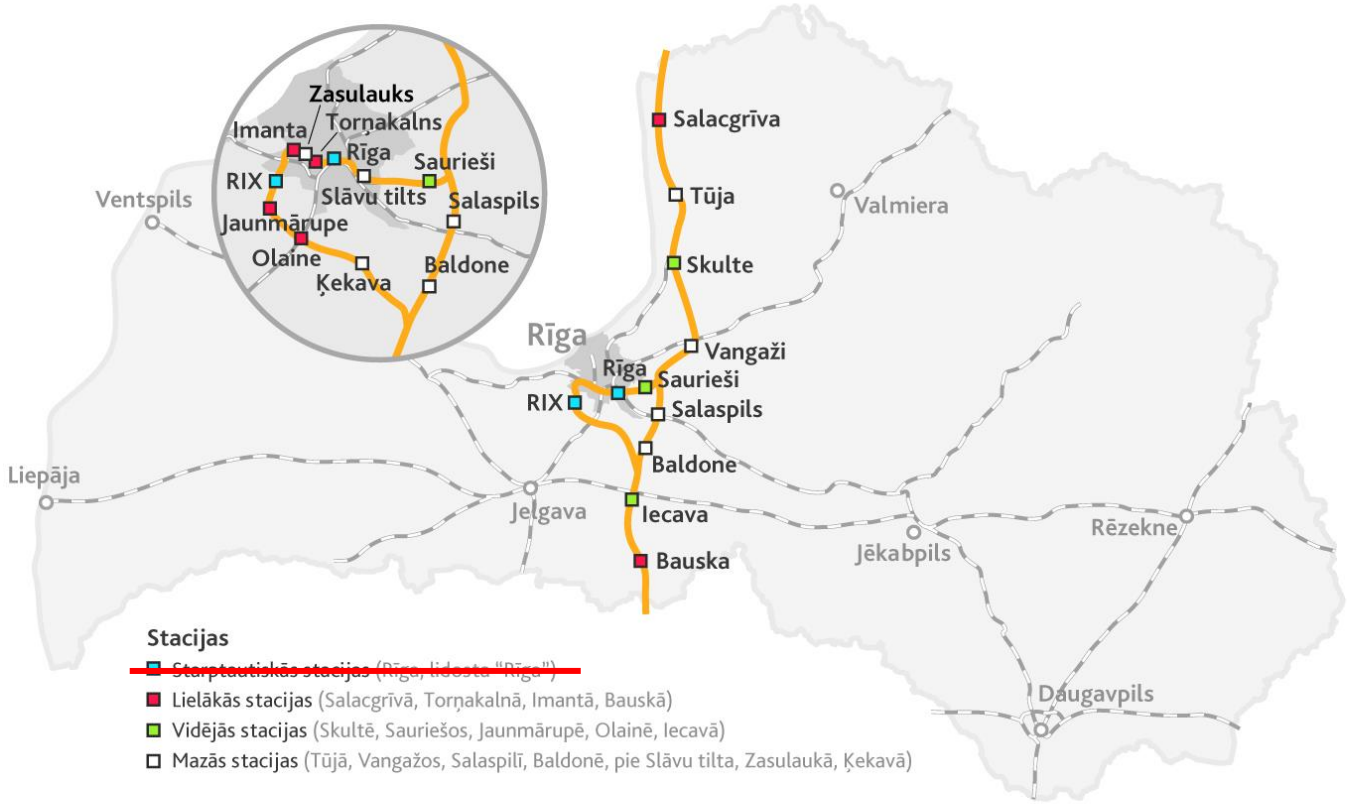
Indicative scope of works:

- **32** bridges
- **43** railway viaducts
- **82** road viaducts
- **10** ecoducts
- **13** segregated pedestrian crossings
- **1** tunnel



Part II
Regional Station procurement

The Project Scope



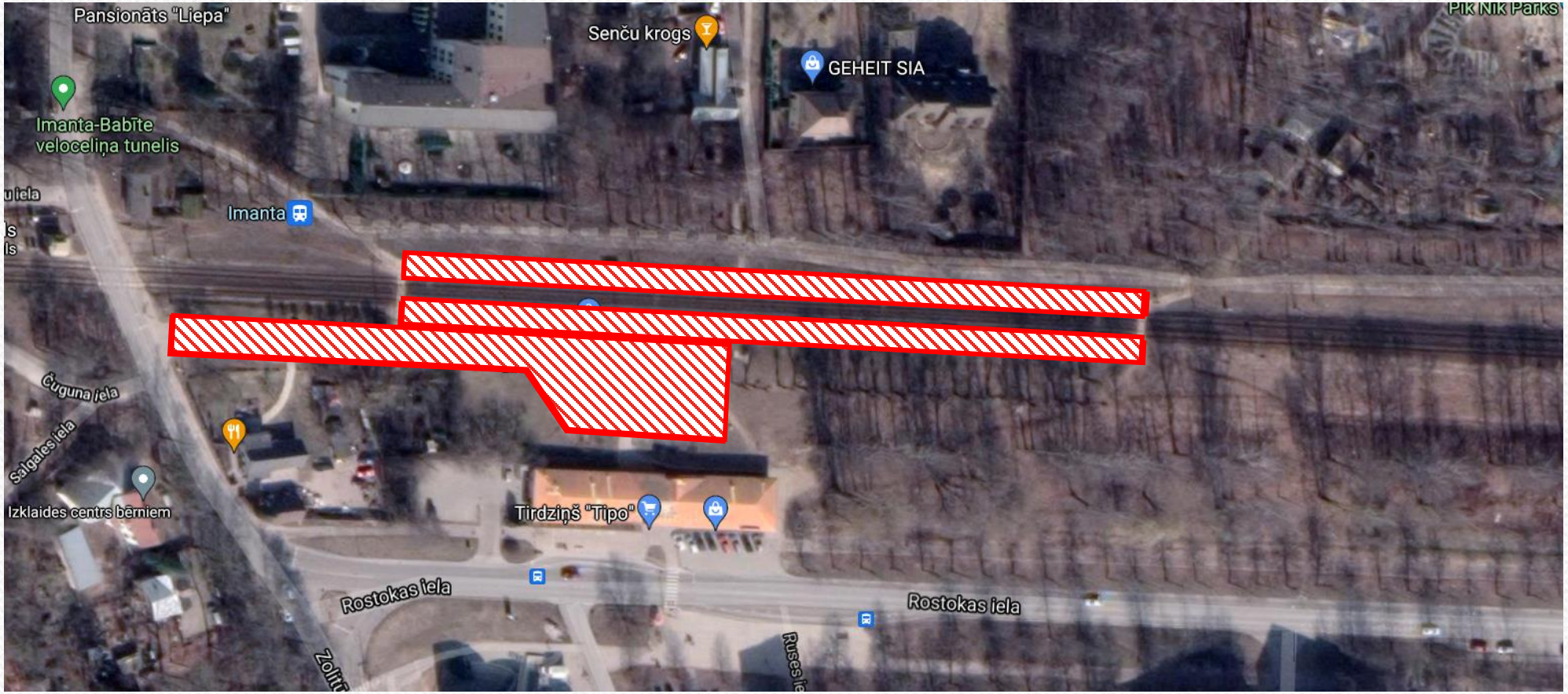
17 Regional stations

Existing Concepts → 100% designs

Strategic intent: Construct stations in parallel with main line.

Design deadline: Q4 2023

What do we mean by Regional station?



Design Guidelines (DG)

- A set of documents (hundreds of pages) clearly defining all the elements of the global project, incl. Regional stations.
- For regional stations they define:
  - Station types;
  - Station territory and support facilities (e.g. over/under-pass designs);
  - Station building layout and planning;
  - Architectural concept, color scheme and preffered materials;
  - Other.
- **Design solutions cannot deviate from DG**!*

Station types

Type 1 – International stations

Type 2
Landmark station

Type 3
Basic station

Type 4
Platform station

TYPE I - INTERNATIONAL STATION / TERMINAL STATION
An International Station is a large station that shall be fully staffed with multiple facilities and for multiple transit services. Located in the centre of the main capitals of the three Baltic States, is an element that changes the city.

TYPE II –LANDMARK REGIONAL STATION
This station is composed by the station building and the platform, minimum facilities and operation rooms. Lower level of staff is required.

TYPE III – BASIC REGIONAL STATION
This station has the station building for waiting spaces but not ticket agents or amenities. No staff is required.

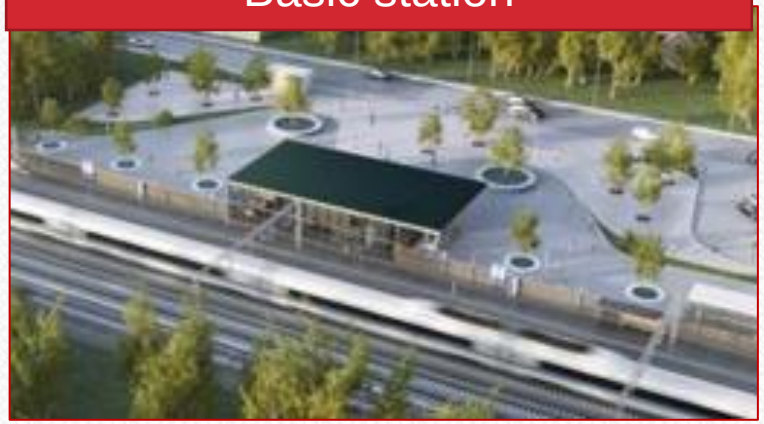
TYPE IV – PLATFORM REGIONAL STATION
This type of station it is only the platform and proper shelters and unstaffed. No facilities and all needed elements are part of the platform.

Territory & support facilities

Type 2
Landmark station

Territory: 5750 m2
Vehicle parking: 30
Taxi parking: 6
EV charging stations: 6

Type 3
Basic station



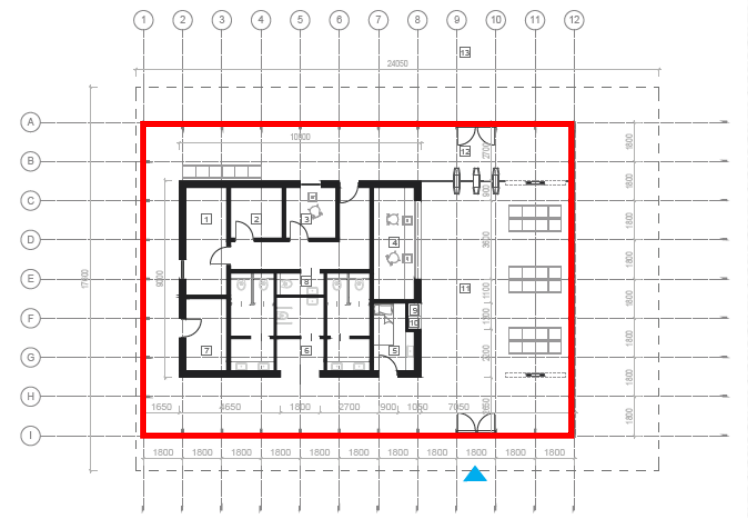
Territory: 4600 m2
Vehicle parking: 20
Taxi parking: 4
EV charging stations: 4

Type 4
Platform station

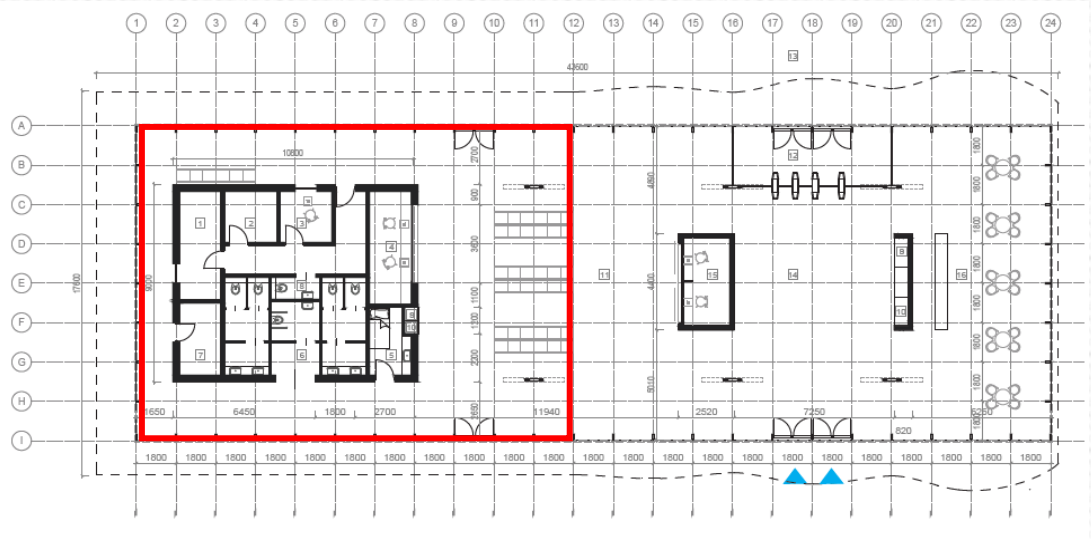
Territory: 3450 m2
Vehicle parking: 12
Taxi parking: 2
EV charging stations: 2

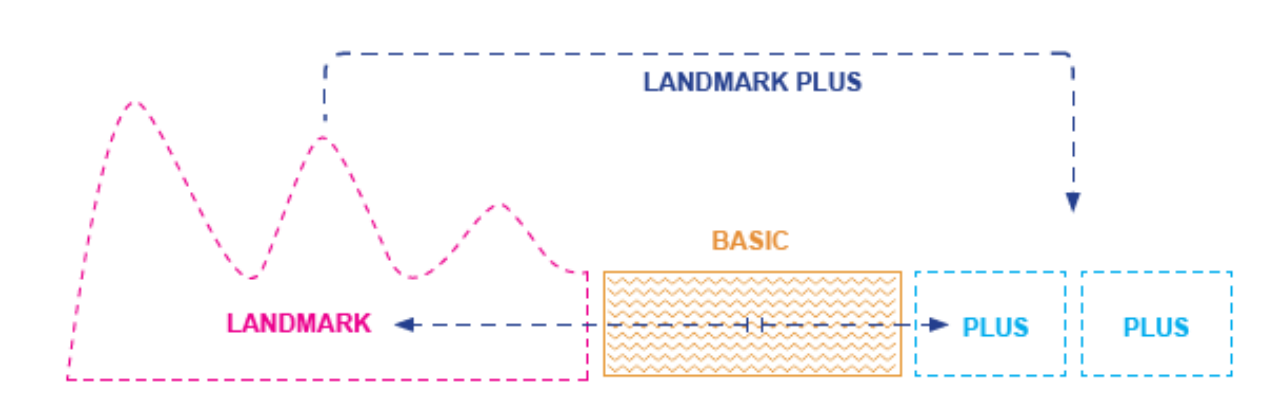
Space for future growth

Type 3

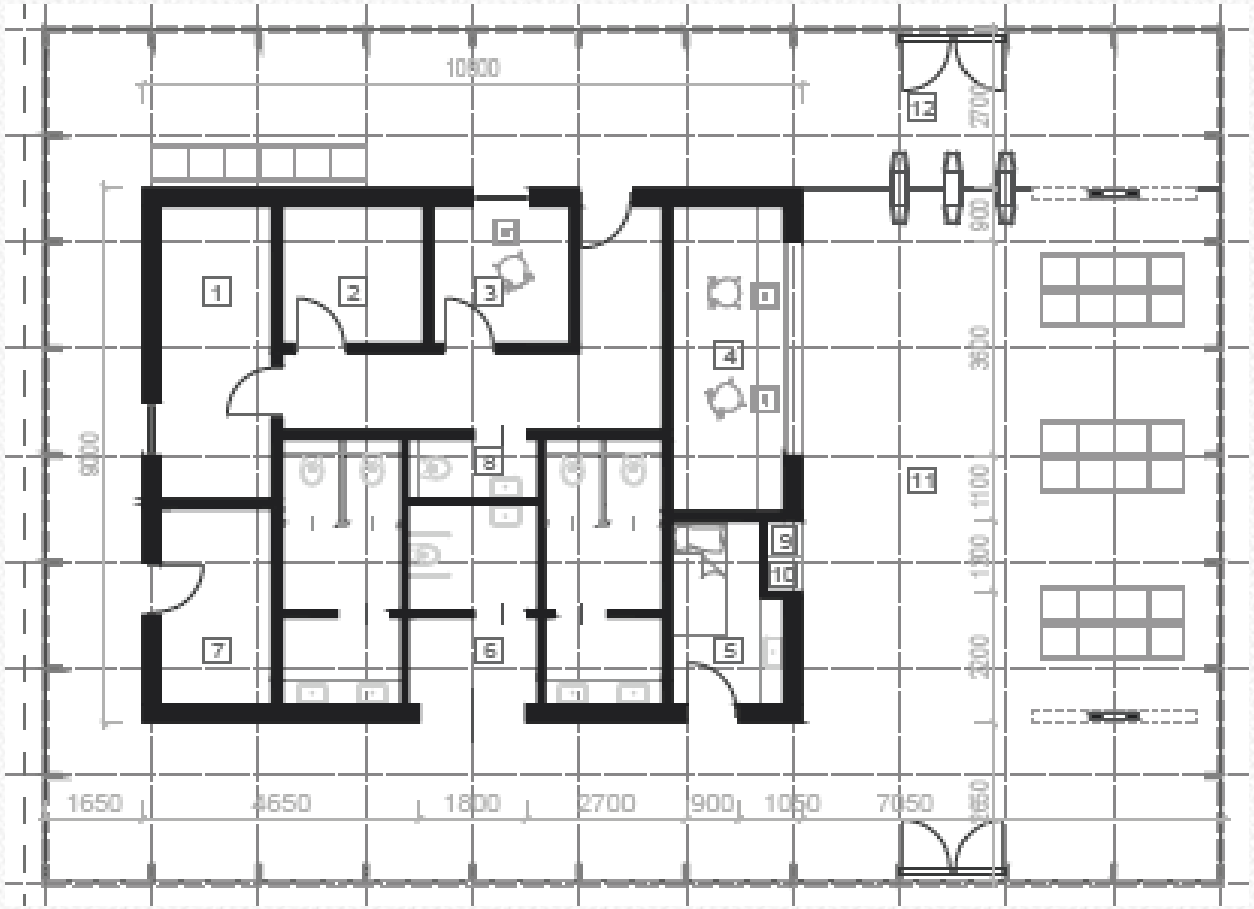


Type 2



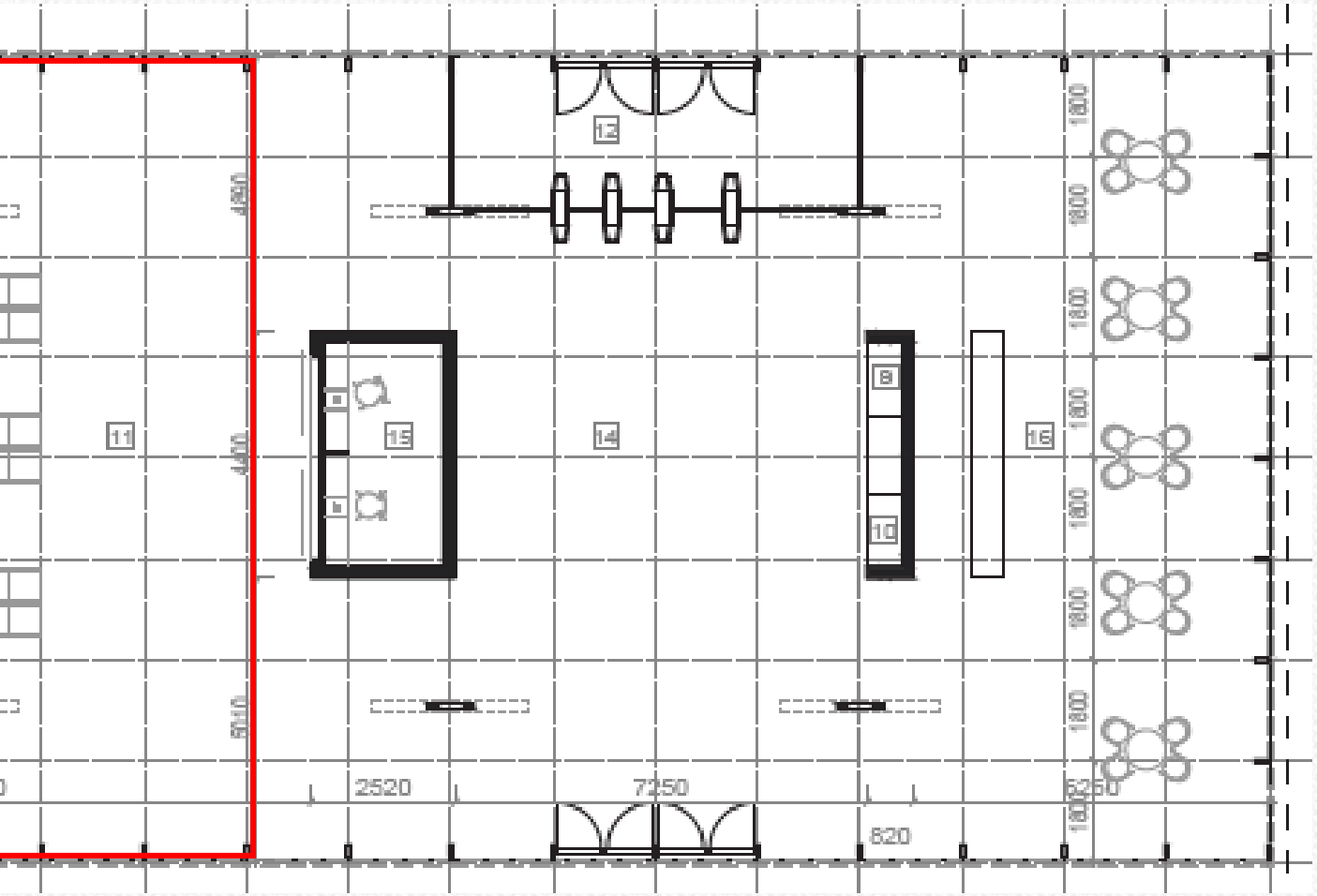


Type 3 – Basic station



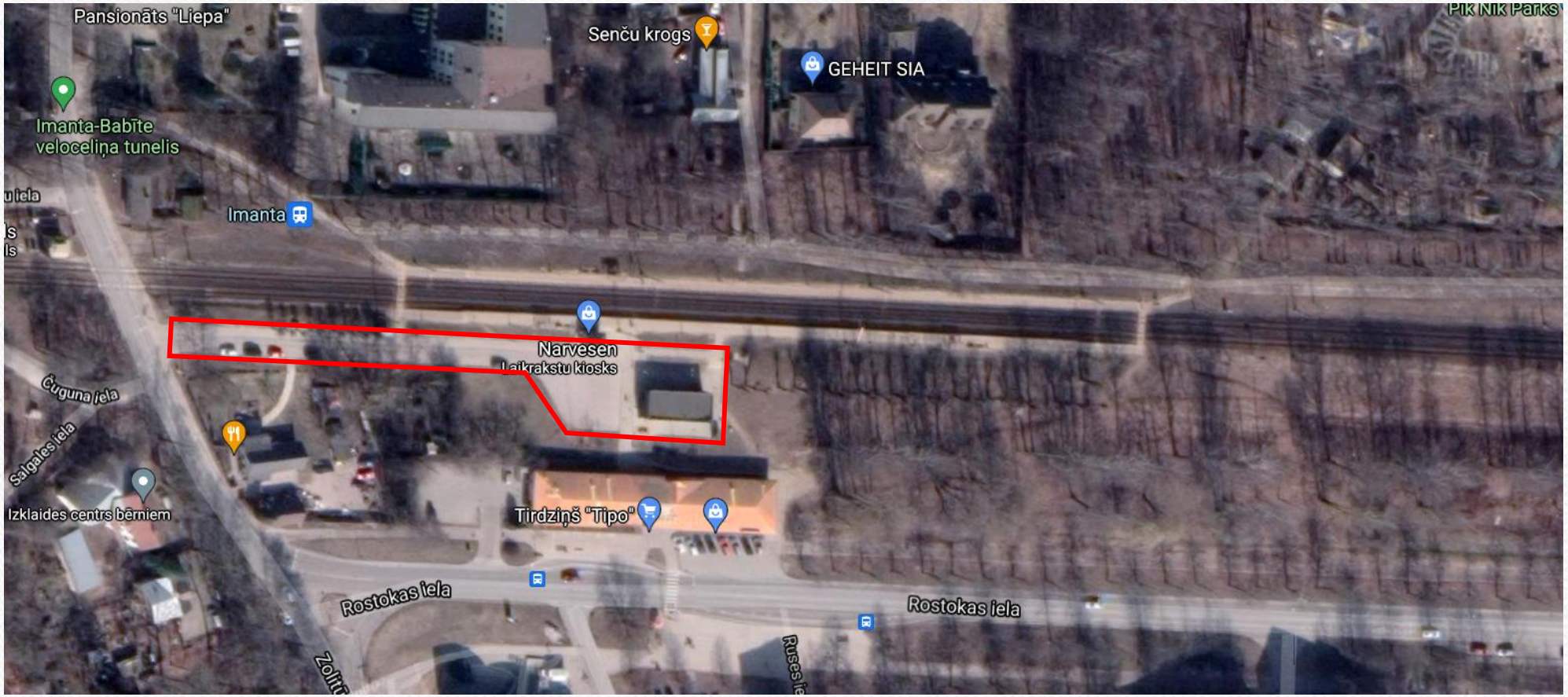
1. Staff Room
2. Police
3. Control Room
4. Ticket Office
5. First Aid
6. Toilets
7. Master
8. Staff Toilet
9. ATM
10. TVN
11. Waiting Zone
12. Ticket Validation Zone

Type 2 – Landmark station



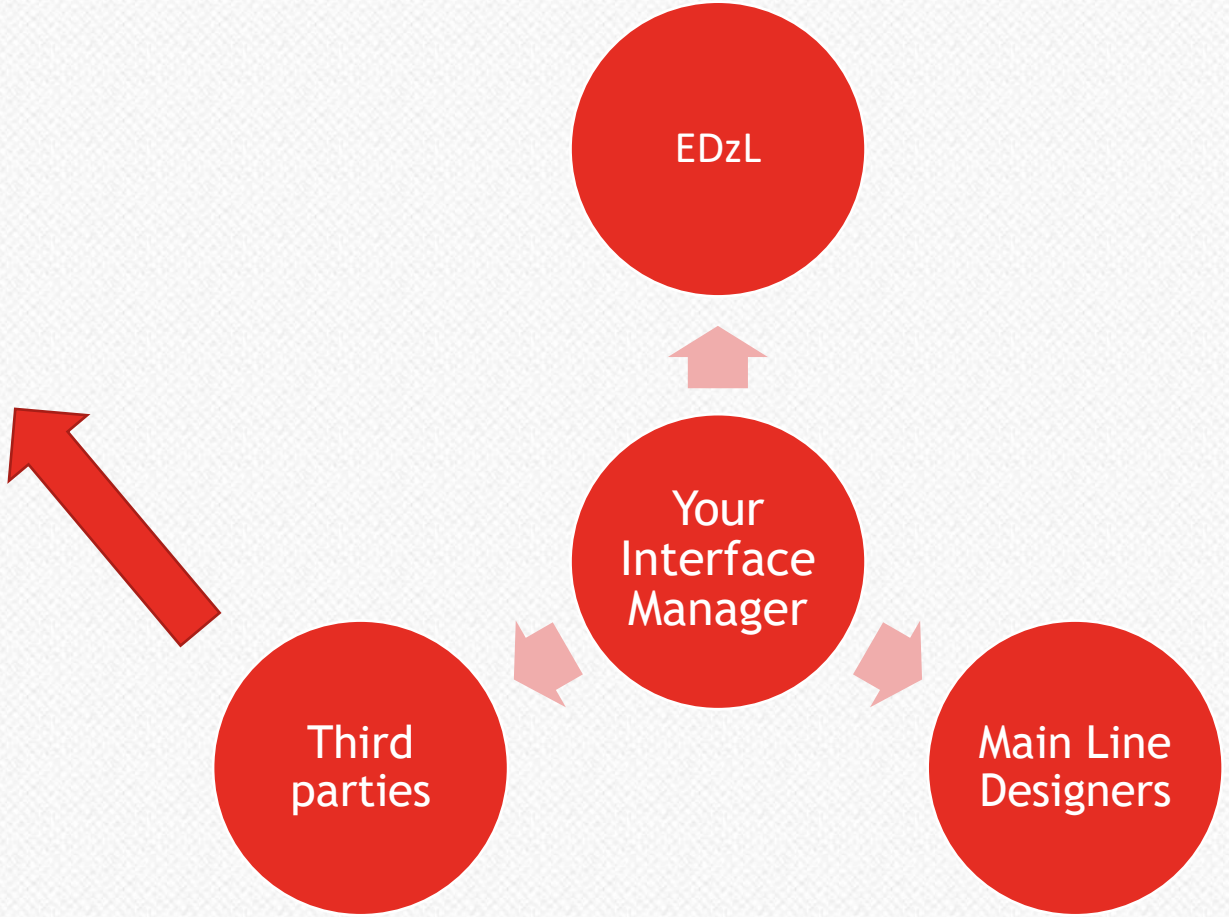
9. TVM
10. ATM
11. Waiting Zone
12. Ticket Validation Zone
13. Platform
14. Main Route
15. Information Desk
16. Retail Zone

Custom Station



Interface Management

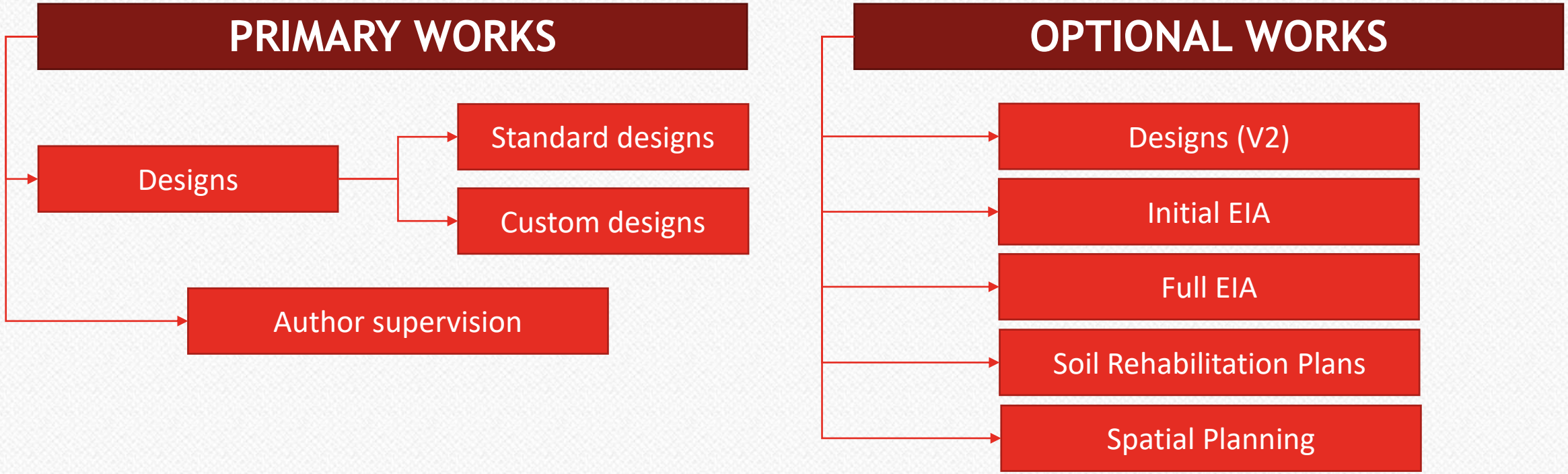
Including:
State Environmental Service
CCS Contractor
ENE Contractor
VAS Latvijas Dzelzceļš
Latvian State Roads
Municipalities
Other



Studies

- During design process, you will have to take into account various studies, e.g.:
  - Currently available studies:
    - Rail Baltica – Operational Plan Study;
    - Additional requirements for site investigations;
    - Quality Assesment Study on Usage of Local Mineral Materials;
    - Archeology and cultural heritage study;
    - Etc.
  - In process studies:
    - Regional Impact Study;
    - Precise platform offset calculation Study;
    - "Dig once" & Corridor Synergies Study;
    - Etc.
- The list is not exhaustive as other studies might be devised to assist the global project.

Procurement Scope



Spatial planning

Given the size and complexity of the Rail Baltica project, it has proven impossible to develop spatial planning documents before technical solutions are prepared to a certain extent.

Currently:

- local planning process is ongoing in **Riga City** in parallel with the main line design;
- local planning procurements are issued for **Skulte** and **Iecava** Infrastructure maintenance facilities (including the respective regional stations in the scope).

Object of national interest (NIO)

20.05.2021 - Ministry of Transport has issued a Draft Order of the Cabinet of Ministers to specify the scope of the NIO of the European standard gauge public railway infrastructure line Rail Baltica project. The draft order provides for the inclusion of regional stations as NIO.

The indicative due date for announcing the regulations of the Cabinet of Ministers is September 2021.

Deliverable timeline

Deliverables	Months		Date
	From previous	From contract	
Standardised designs for type 2/3/4 station buildings, incl. BIM model	6	6	19-Aug-2022
Design of minimum composition (build.perm)	0	6	19-Aug-2022
Initial EIA	2	8	18-Oct-2022
Interim deliverables		9	17-Nov-2022
Land aquisition plan	3	9	17-Nov-2022
BIM model mockup for custom buildings	3	9	17-Nov-2022
Master design	6	12	15-Feb-2023
MD Expert review	2	14	16-Apr-2023
DTD (100% design, incl. stakeholder approval)	3	17	15-Jul-2023
DTD Expert review	2	19	13-Sep-2023
Approval from construction board	1	20	13-Oct-2023

Bid Financials (I) - Total

Būvprojekta nosaukums: BŪVPROJEKTU IZSTRĀDE UN AUTORUZRAUDZĪBA RAIL BALTICA REĢIONĀLAJĀM STACIJĀM

Construction design name: CONSTRUCTION DESIGNS AND AUTHOR SUPERVISION OF RAIL BALTICA'S REGIONAL STATIONS

FINANŠU PIEDĀVĀJUMS / FINANCIAL OFFER

Lapa / Sheet	Apraksts latviešu valodā	Description in English	Vienība / Unit	Daudz. / Q	Vienības cena / Unit price	Kopā / Total
	Pamatdarbu izmaksas	**Primary Works Costs**				
D	Būvprojektu izstrāde kopā	Construction designs total				€ -
A	Autoruzraudzība kopā	Author supervision total				€ -
I	Sākotnējais ietekmes uz vidi novērtējums kopā	Initial environmental impact assessment total				€ -
	Starpsumma	**Subtotal**				€ -
	Virsizdevumi	Overhead	%			€ -
	Peļņa	Profit	%			€ -
	Pavisam kopā	**Grand total**				€ -

	Apraksts latviešu valodā	Description in English	Vienība / Unit	Daudz. / Q	Vienības cena / Unit price	Kopā / Total
O	Izvēles darbu izmaksas	Optional works costs				
OD	**Izvēles pilnie staciju būvprojekti**	**Optional full station designs**				€ -
OI	**Izvēles pilnie Ietekmes uz vidi novērtējumi (IVN)**	**Optional Full Environmental Impact Assessments (EIA)**				€ -
OP	**Izvēles Sanācijas plāna izstrāde**	**Optional soil rehabilitation plan development**	**Kompl./ Set**	**1**	€ -	€ -
OP	**Izvēles teritorijas plānošana**	**Optional Spatial planning**				€ -

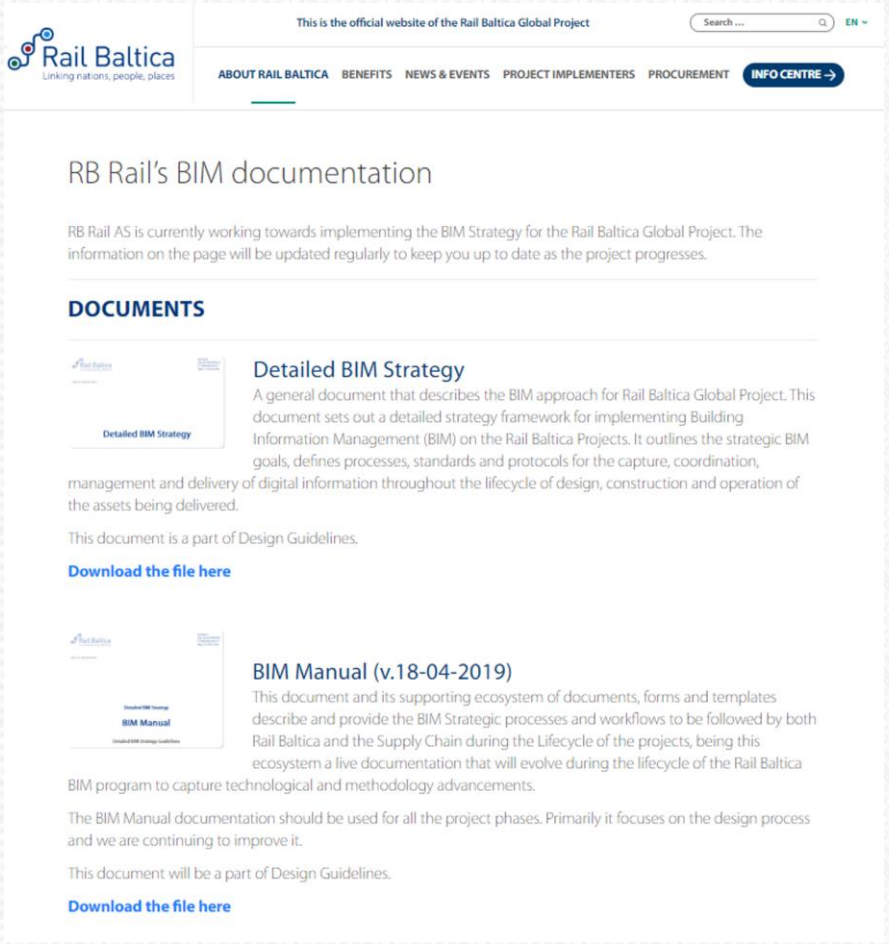
Bid Financials (II) - Design Group

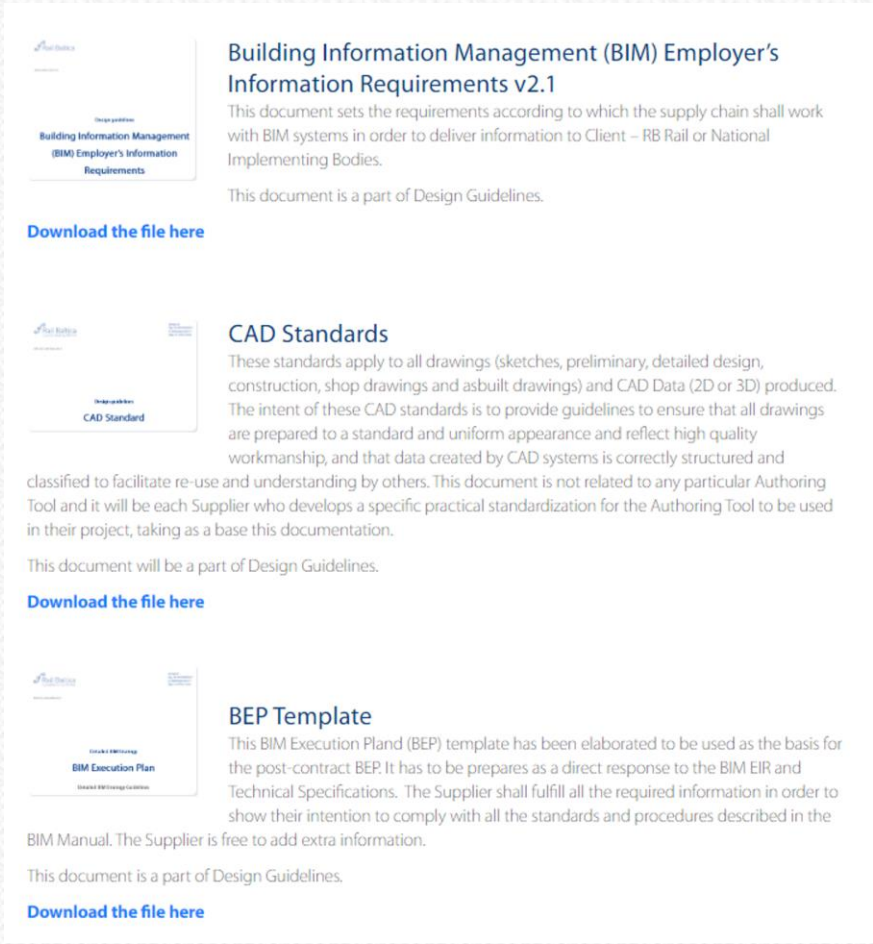
	Apraksts latviešu valodā	Description in English	Vienība / Unit	Daudz. / Q	Vienības cena / Unit price	Kopā / Total
D	BŪVPROJEKTU IZSTRĀDE	CONSTRUCTION DESIGN				
TD	**TIPVEIDA STACIJU BŪVPROJEKTI**	**TYPICAL STATION DESIGNS**				**€ -**
TD.1	2. tipveida stacijas tehniskais dizains	Typical Type 2 Station building Technical design	Kompl./ Set	1	€ -	€ -
TD.1.1	Visu BIM nosacījumu izpilde 2. tipa stacijas ēkai	Application of all BIM requirements for Type 2 station building	Kompl./ Set	1	€ -	€ -
TD.2	3. tipveida stacijas tehniskais dizains	Typical Type 3 Station building Technical design	Kompl./ Set	1	€ -	€ -
TD.2.1	Visu BIM nosacījumu izpilde 3. tipa stacijas ēkai	Application of all BIM requirements for Type 3 station building	Kompl./ Set	1	€ -	€ -
TD.3	4. tipveida stacijas tehniskais dizains	Typical Type 4 Station building Technical design	Kompl./ Set	1	€ -	€ -
TD.3.1	Visu BIM nosacījumu izpilde 4. tipa stacijas ēkai	Application of all BIM requirements for Type 4 station building	Kompl./ Set	1	€ -	€ -
SD	**PILNIE STACIJU BŪVPROJEKTI**	**FULL STATON DESIGNS**				**€ -**
SDX	**REĢIONĀLĀ STACIJA X**	**REGIONAL STATION X**				**€ -**
SDX.1	Būvprojekts minimālā sastāvā	Construction design in minimum composition	Kompl./ Set	1	€ -	€ -
SDX.2	Būvprojekts	Detailed technical design	Kompl./ Set	1	€ -	€ -
SDX.3	BIM prasību izpildes izmaksas	BIM application costs	Kompl./ Set	1	€ -	€ -
SDY	**REĢIONĀLĀ STACIJA Y**	**REGIONAL STATION Y**				**€ -**
SDY.1	Būvprojekts minimālā sastāvā	Construction design in minimum composition	Kompl./ Set	1	€ -	€ -
SDY.2	Būvprojekts	Detailed technical design	Kompl./ Set	1	€ -	€ -
SDY.3	BIM prasību izpildes izmaksas	BIM application costs	Kompl./ Set	1	€ -	€ -
		(..)				
D	Būvprojektu izstrāde kopā	Construction designs total				€ -

Bid Financials (III) - One station

	Apraksts latviešu valodā	Description in English	Vienība / Unit	Daudz. / Q	Vienības cena / Unit price	Kopā / Total
	REĢIONĀLĀ STACIJA X	**REGIONAL STATION X**				
1	**Būvprojekts minimālā sastāvā***	**Construction design in minimum composition***				**€ -**
1.1	Būvprojektēšanas sagatavošanas darbi (tai skaitā inženierizpēte (Vispārīgo būvnoteikumu 21.p), esošo inženierkomunikāciju tehniskā apsekošana, tehniskie noteikumi u.c.)	Construction design preparation works (including engineering research (accoring to General Construction Regulation point 21), Technical inspection of existing engineering communications, technical regulations, etc.)	Kompl./ Set	1	€ -	€ -
1.2	Būvapjoma 3D vizualizācija	Construction volume 3D visualisation	Kompl./ Set	1	€ -	€ -
2	**Būvprojekts / Detailed technical design**	**Būvprojekts / Detailed technical design**				
2.1	**Vispārīgā daļa, t.sk.**	**General Part, incl.**				
2.1.1	Būvprojektēšanas uzsākšanai nepieciešamie dokumenti un materiāli	Documents and materials required to start design	Kompl./ Set	1	€ -	€ -
2.1.2	Zemes gabala inženierizpētes materiāli	Land plot engineering research materials	Kompl./ Set	1	€ -	€ -
2.1.3	Skaidrojošs apraksts, kurā norādīta vispārīga informācija par ēkas tehniskajiem rādītājiem, ēkas galveno lietošanas veidu atbilstoši būvju klasifikācijai, ugunsdrošības pasākumi un vides piejamības risinājumi	Explanatory description giving general information about the technical characteristics of the building, the main use of the building according to the classification of buildings, fire safety measures and environmental accessibility solutions	Kompl./ Set	1	€ -	€ -
		(..)				
3	**BIM prasību izpildes izmaksas**	**BIM application costs**				**€ -**
3.1	Visu BIM prasību piemērošana X stacijai	Application of all BIM requirements for X station	Kompl./ Set	1	€ -	€ -
	STACIJAS BŪVPROJEKTA IZSTRĀDE KOPĀ	**STATION CONSTRUCTION DESIGN TOTAL**				**€ -**

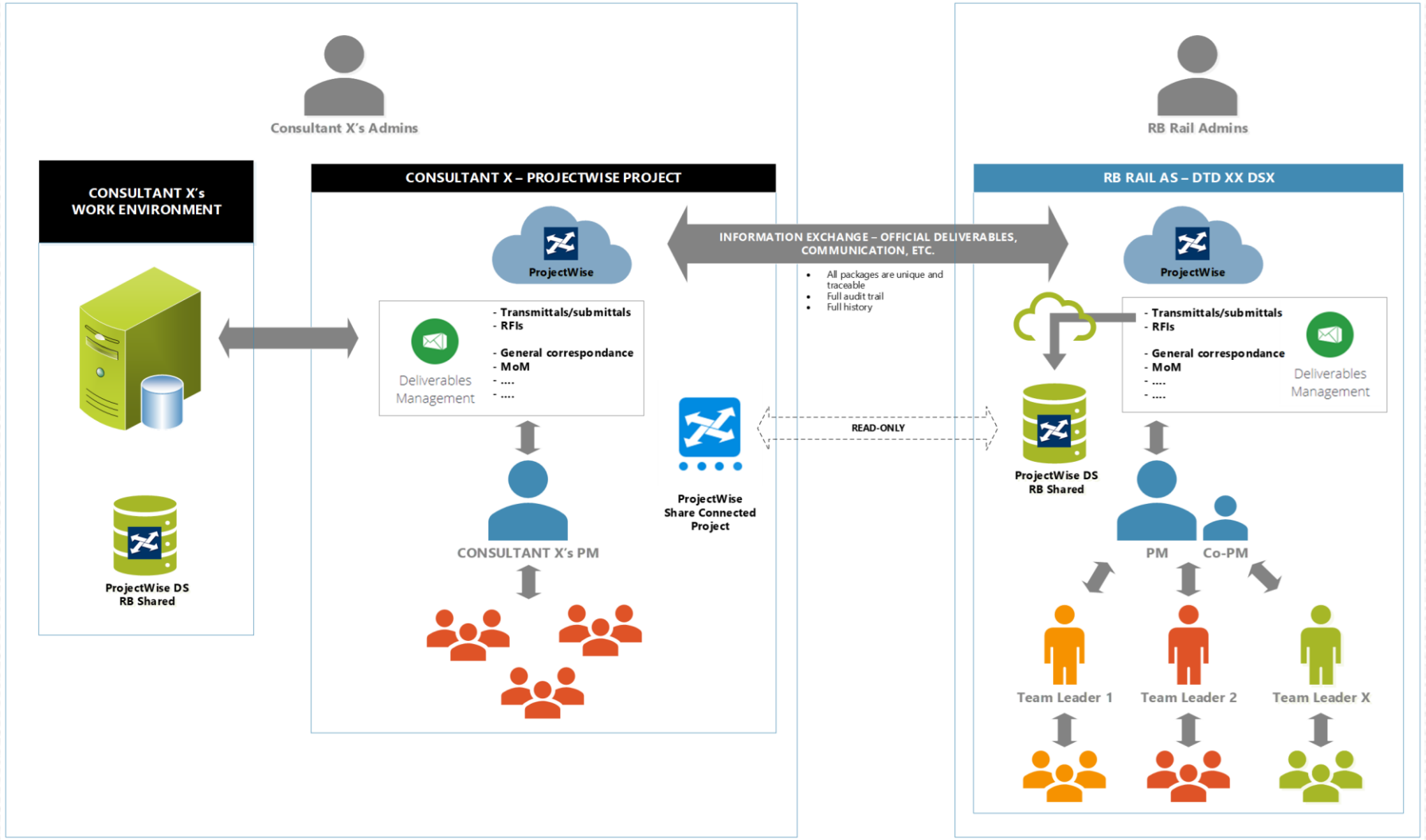
BIM requirements



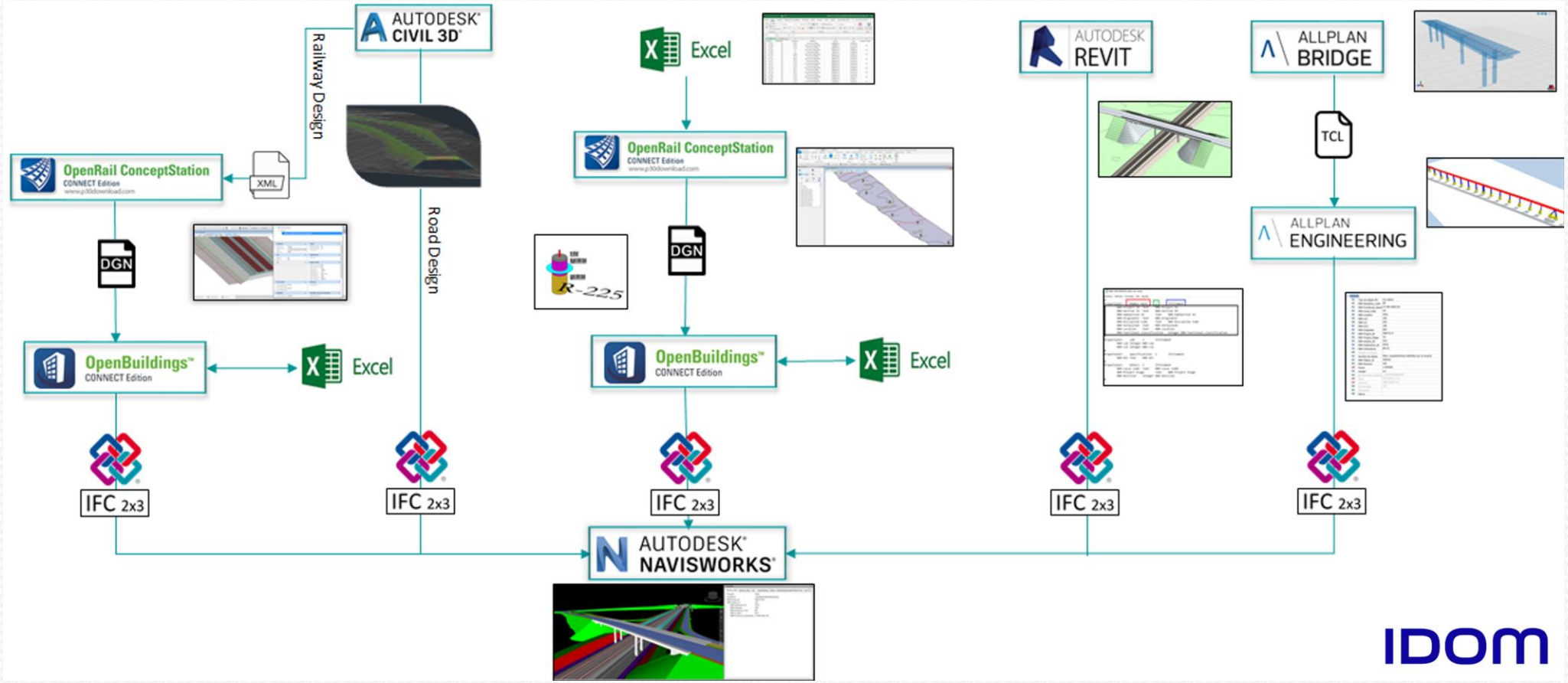


http://www.railbaltica.org/rb-rail-as-bim-documentation/

BIM requirements

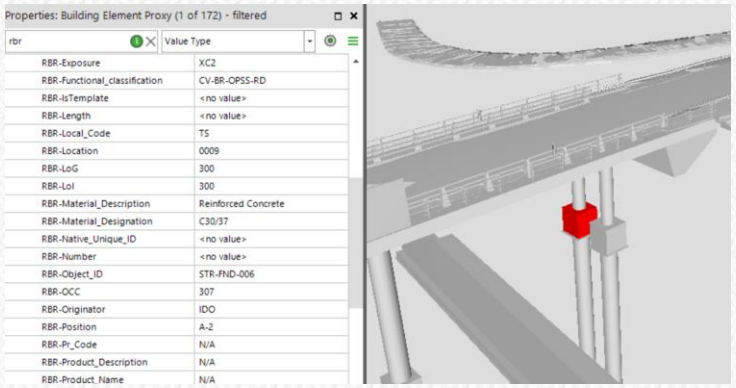


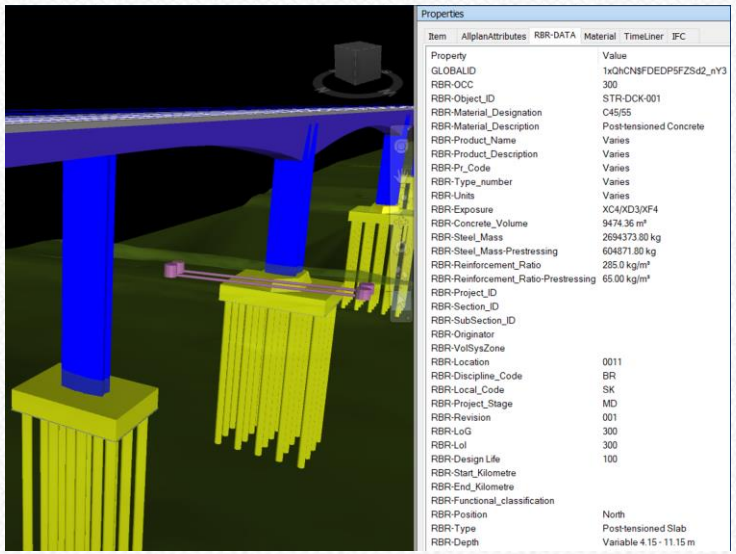
Native BIM model with attribute data -> IFC -> Asset Register



Native BIM model with attribute data -> IFC -> Asset Register

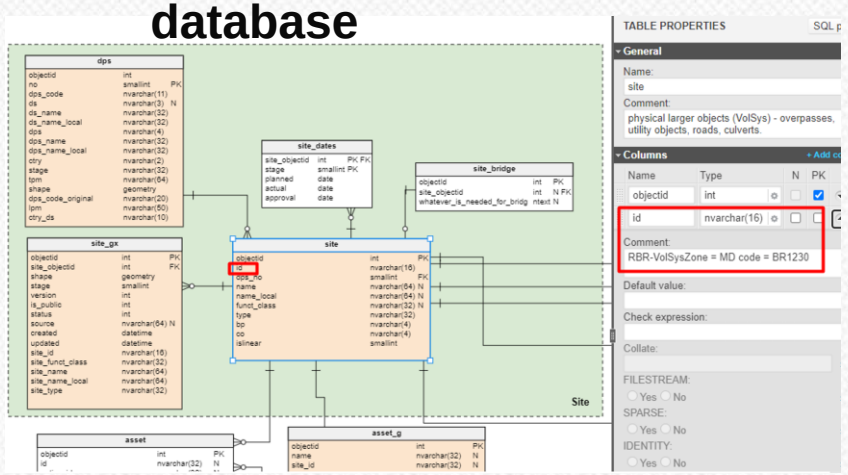
BIM attributes



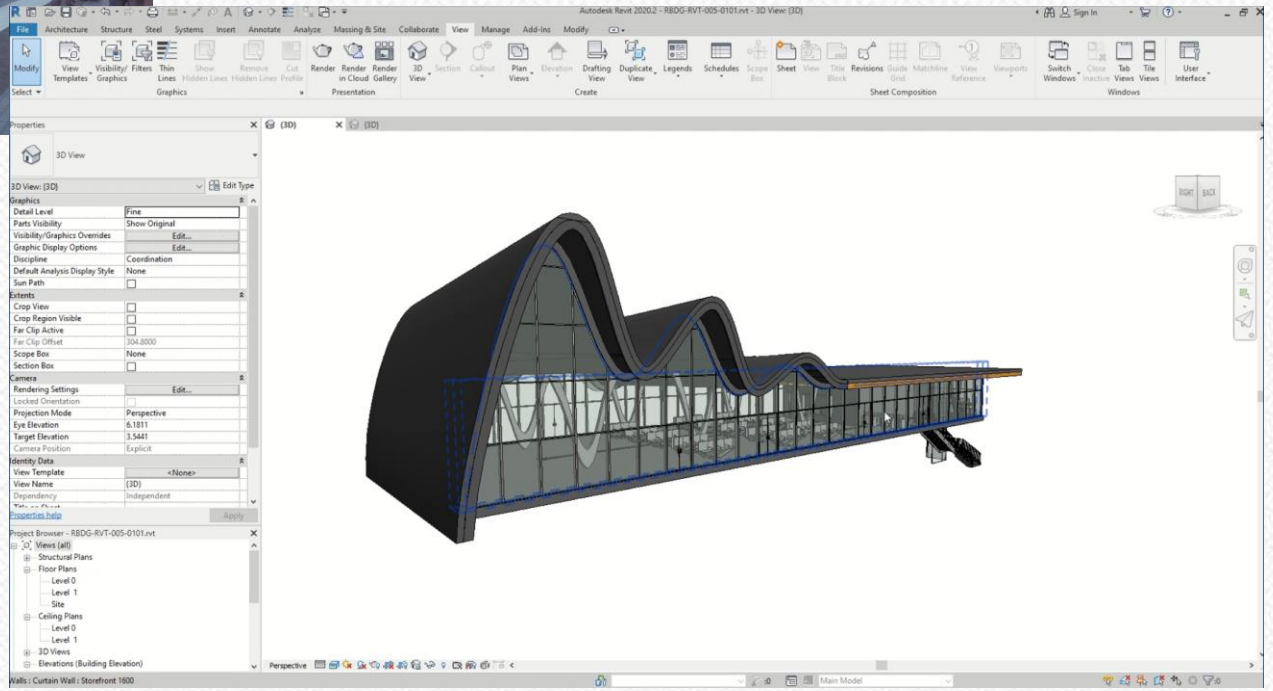


IFC

Asset Register database



References input data in DG



<u>3D models</u> from Architectural, landscaping and visual identity design guidelines as part of Design Guidelines

Part III
Per-station information

Station types

Type 2
Landmark station

Territory: 5750 m2
Vehicle parking: 30
Taxi parking: 6
EV charging stations: 6

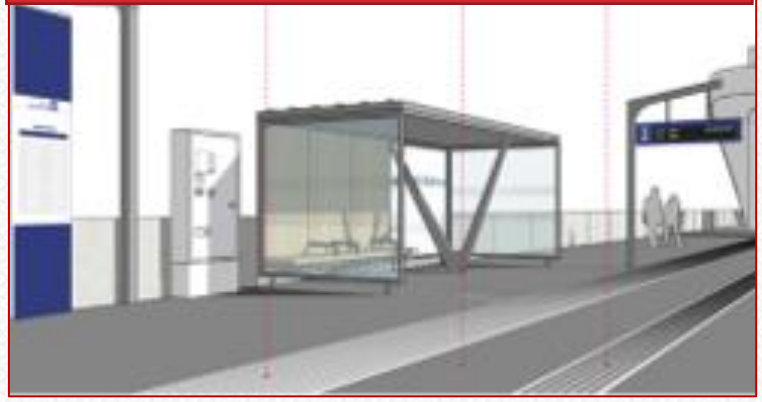
Salacgrīva
Torņakalns
Imanta
Bauska

Type 3
Basic station

Territory: 4600 m2
Vehicle parking: 20
Taxi parking: 4
EV charging stations: 4

Skulte
Baldone
Saurieši
Jaunmārupe
Iecava

Type 4
Platform station



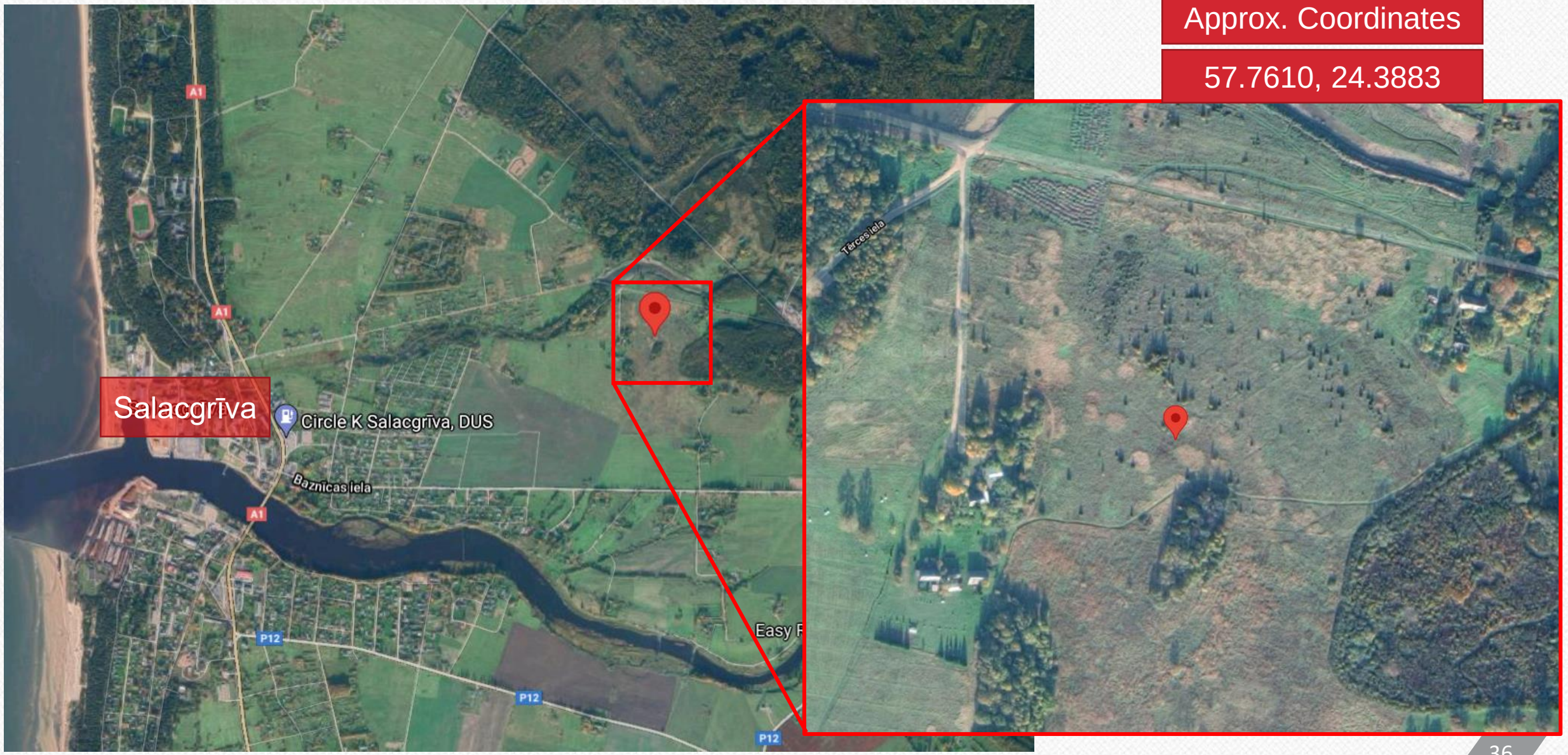
Territory: 3450 m2
Vehicle parking: 12
Taxi parking: 2
EV charging stations: 2

Vangaži
Tūja
Salaspils
Slāvu tilts
Stradiņi/Āgenskalns
Zasulauks
Olaine
Ķekava

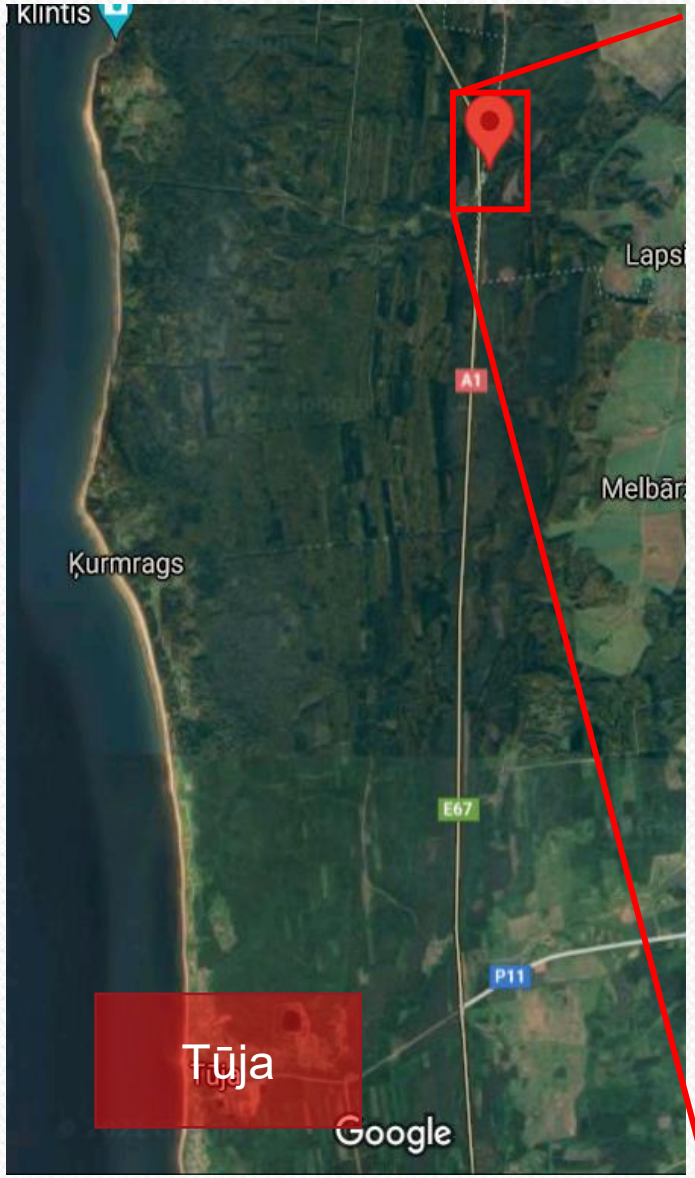
Salacgrīva station

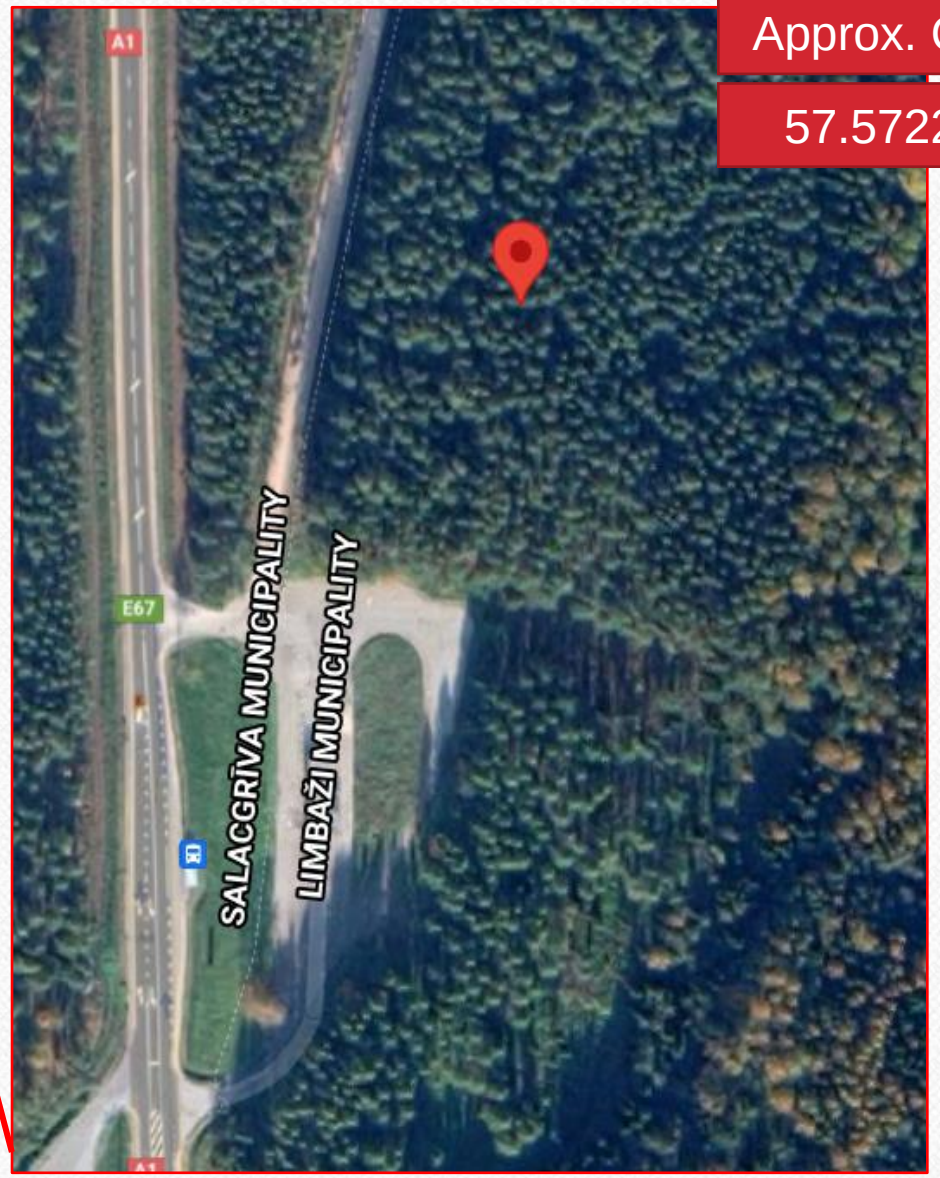
Approx. Coordinates

57.7610, 24.3883



Tūja station





Approx. Coordinates

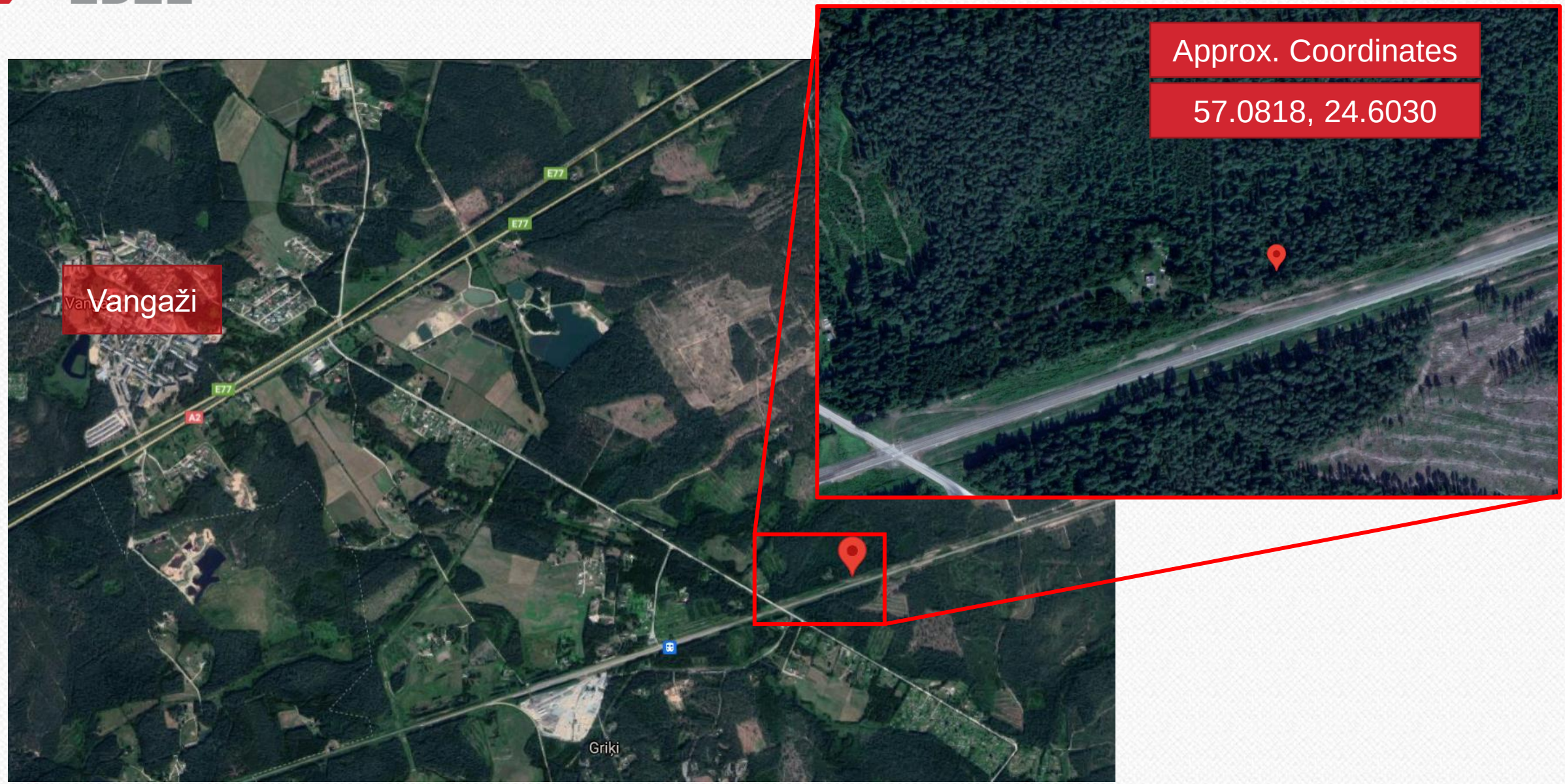
57.5722, 24.4361

Skulte station

Approx. Coordinates

57.3560, 24.4995

Vangaži station



Salaspils station

Approx. Coordinates

56.8502, 24.4011

Baldone station

Approx. Coordinates

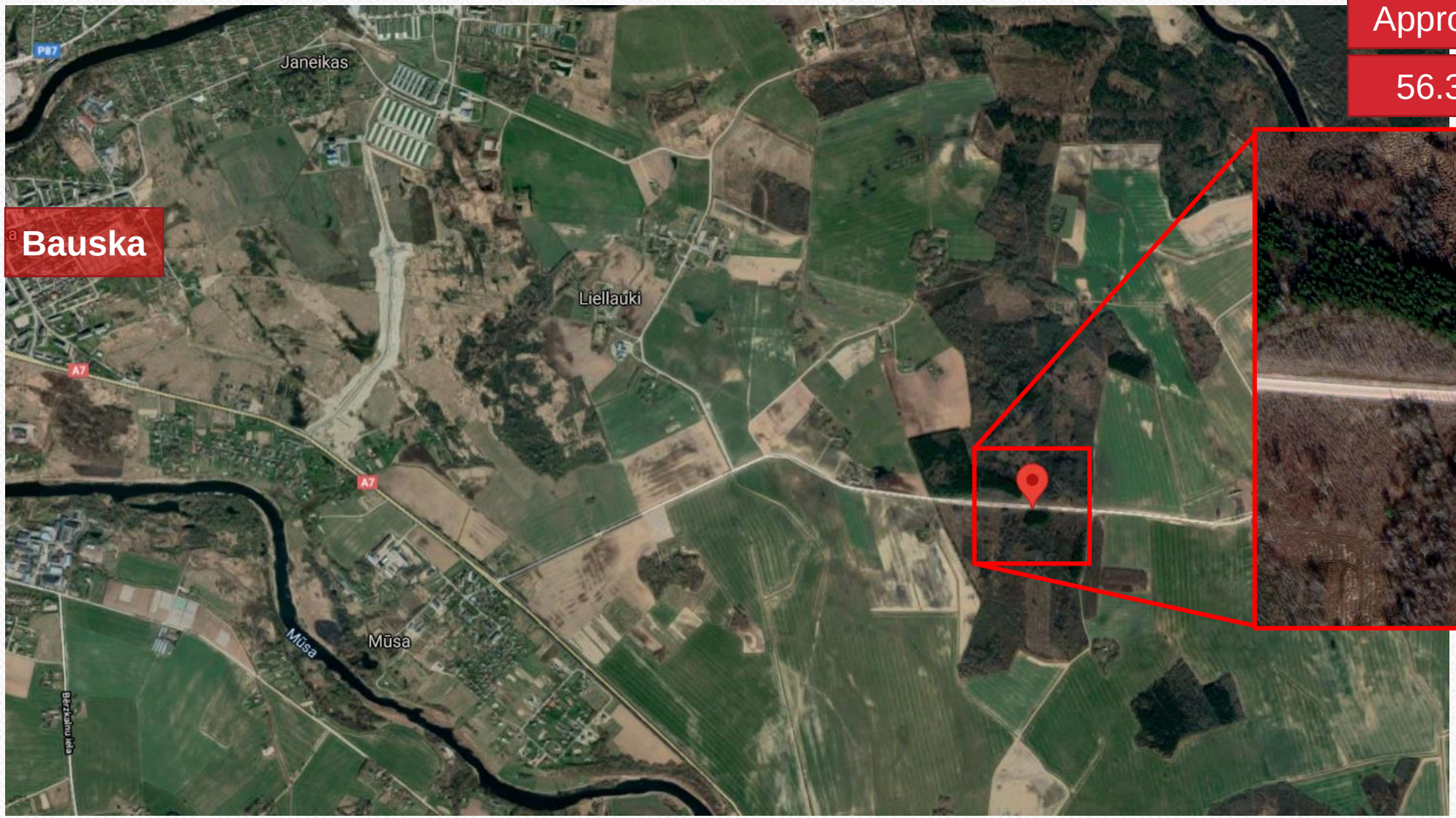
56.7536, 24.3435

Iecava station

Approx. Coordinates

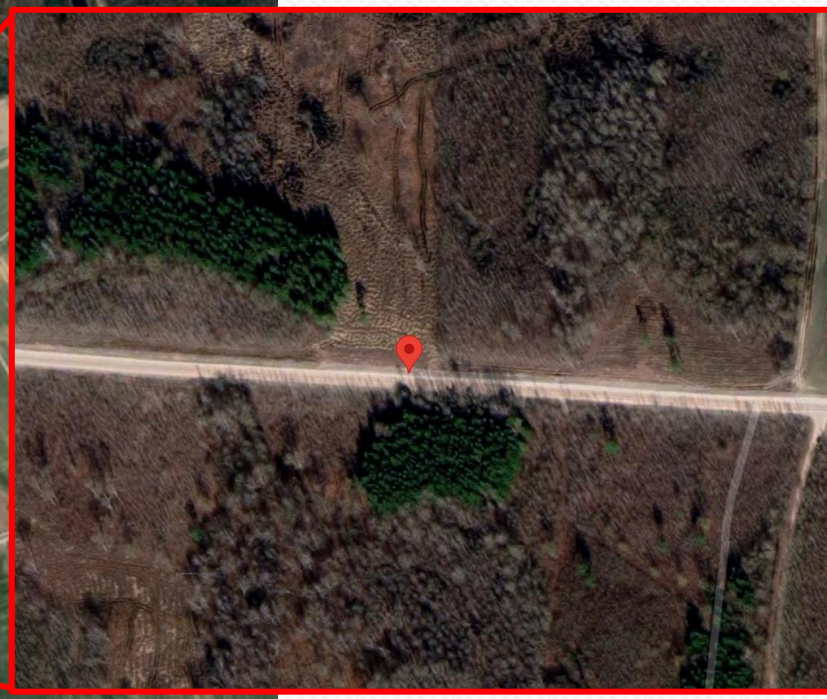
56.5832, 24.2745

Bauska station



Approx. Coordinates

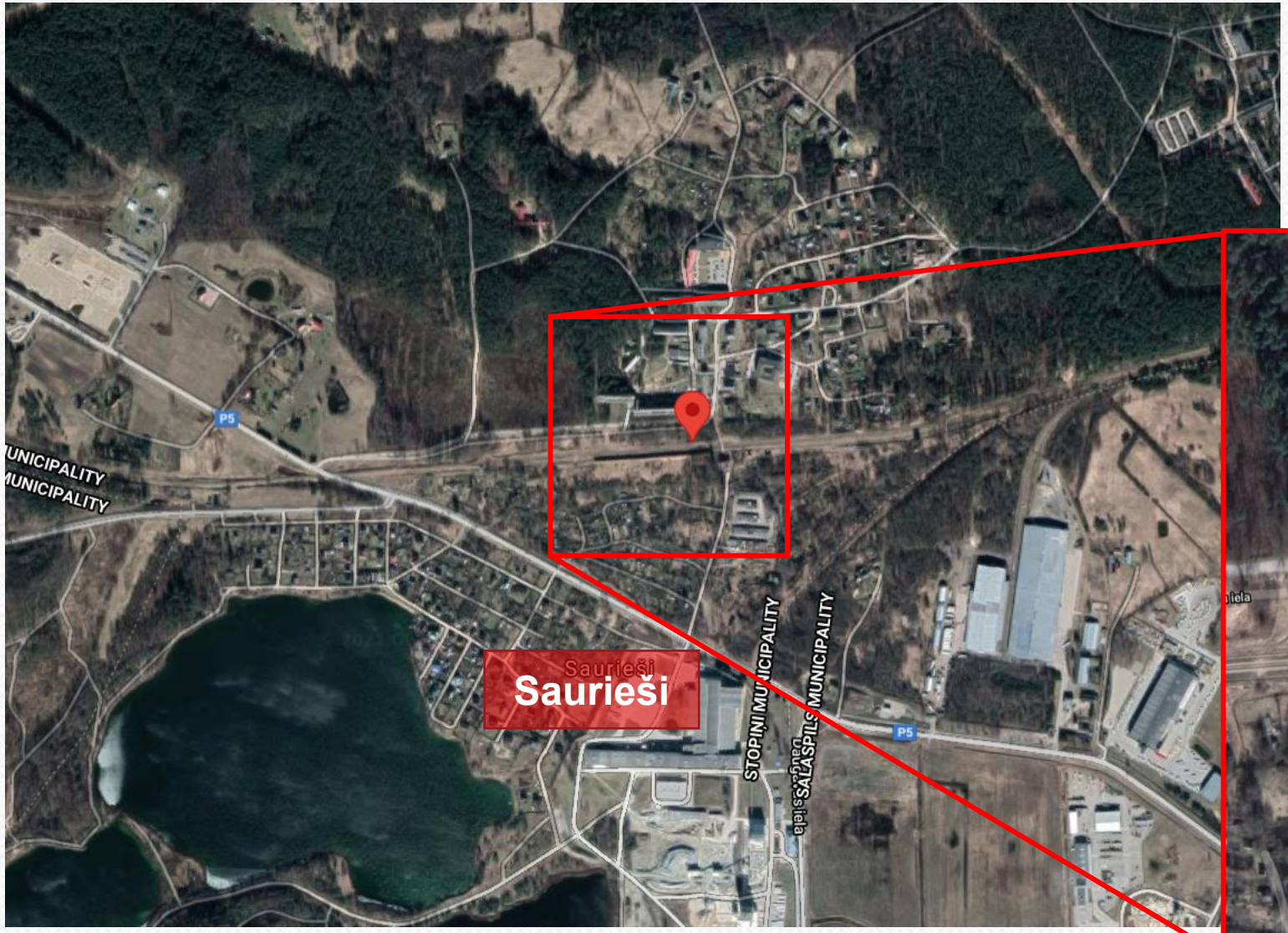
56.3997, 24.2735

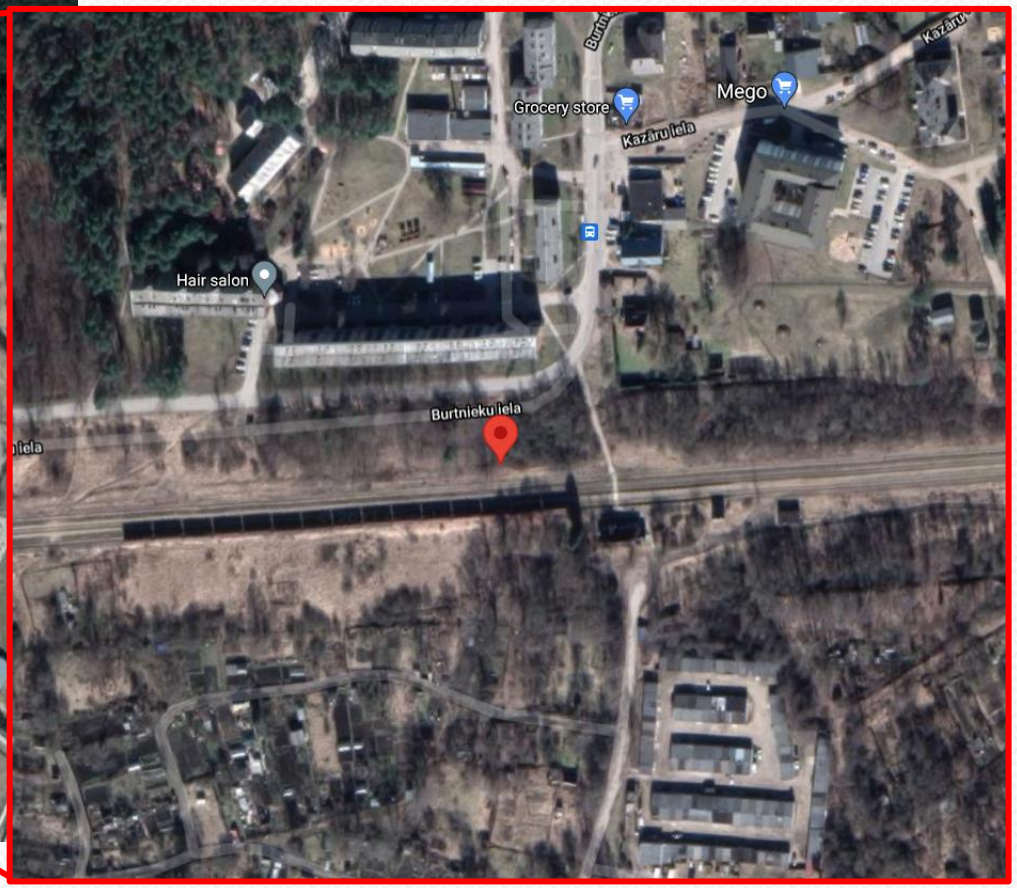


Saurieši station

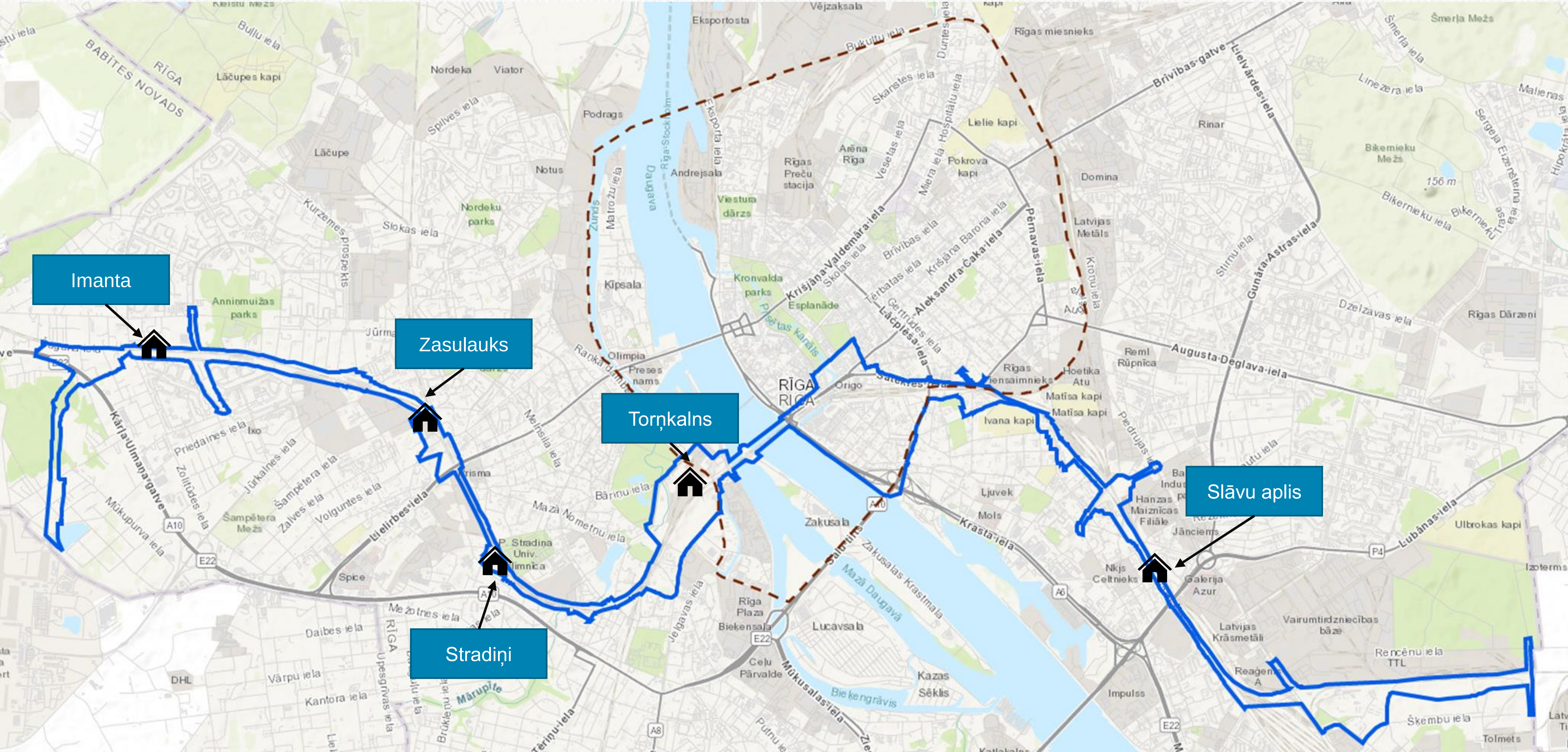
Approx. Coordinates

56.9172, 24.3612





Stations in Riga

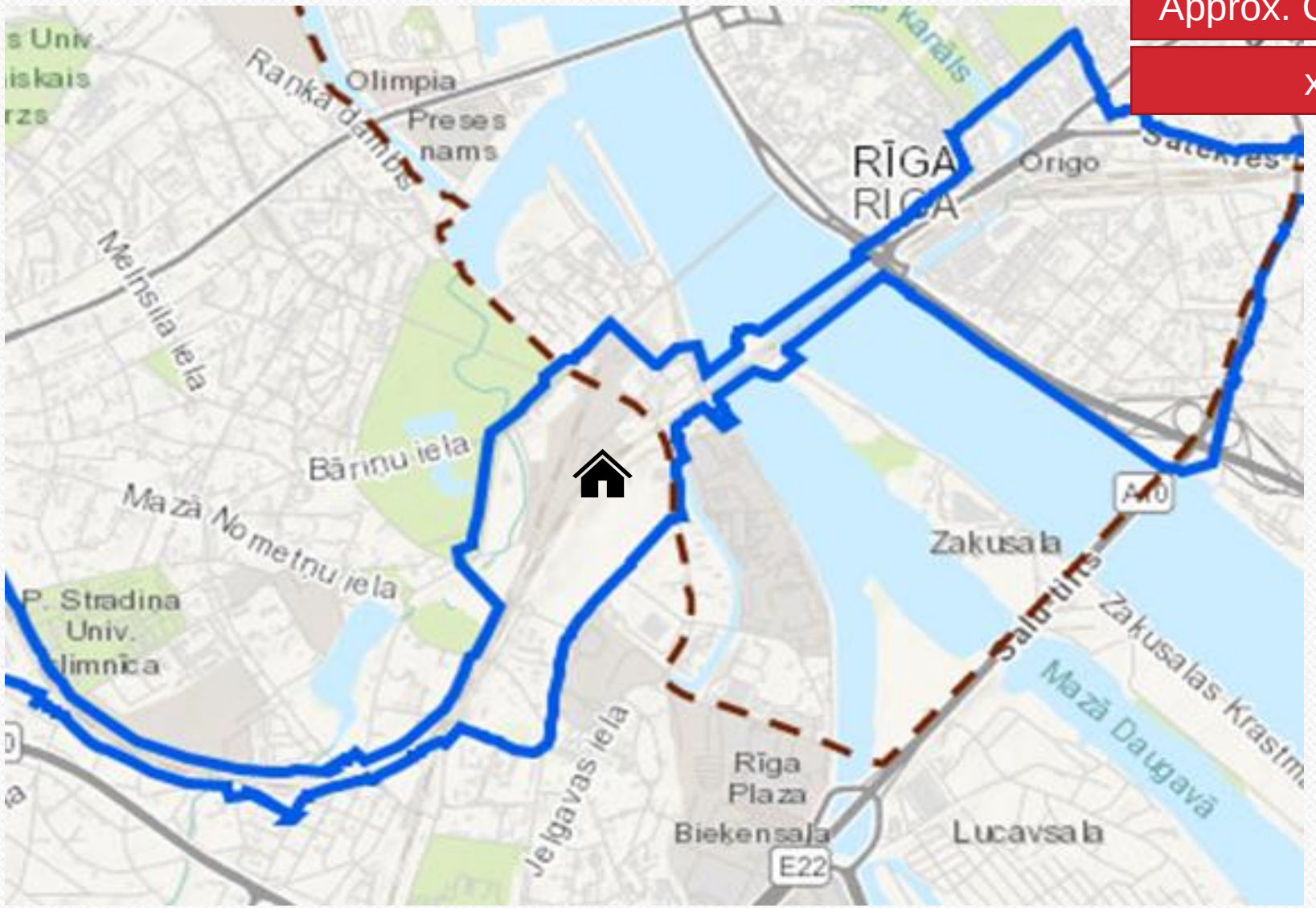


Slāvu aplis station

Torņkalns station

Approx. Coordinates

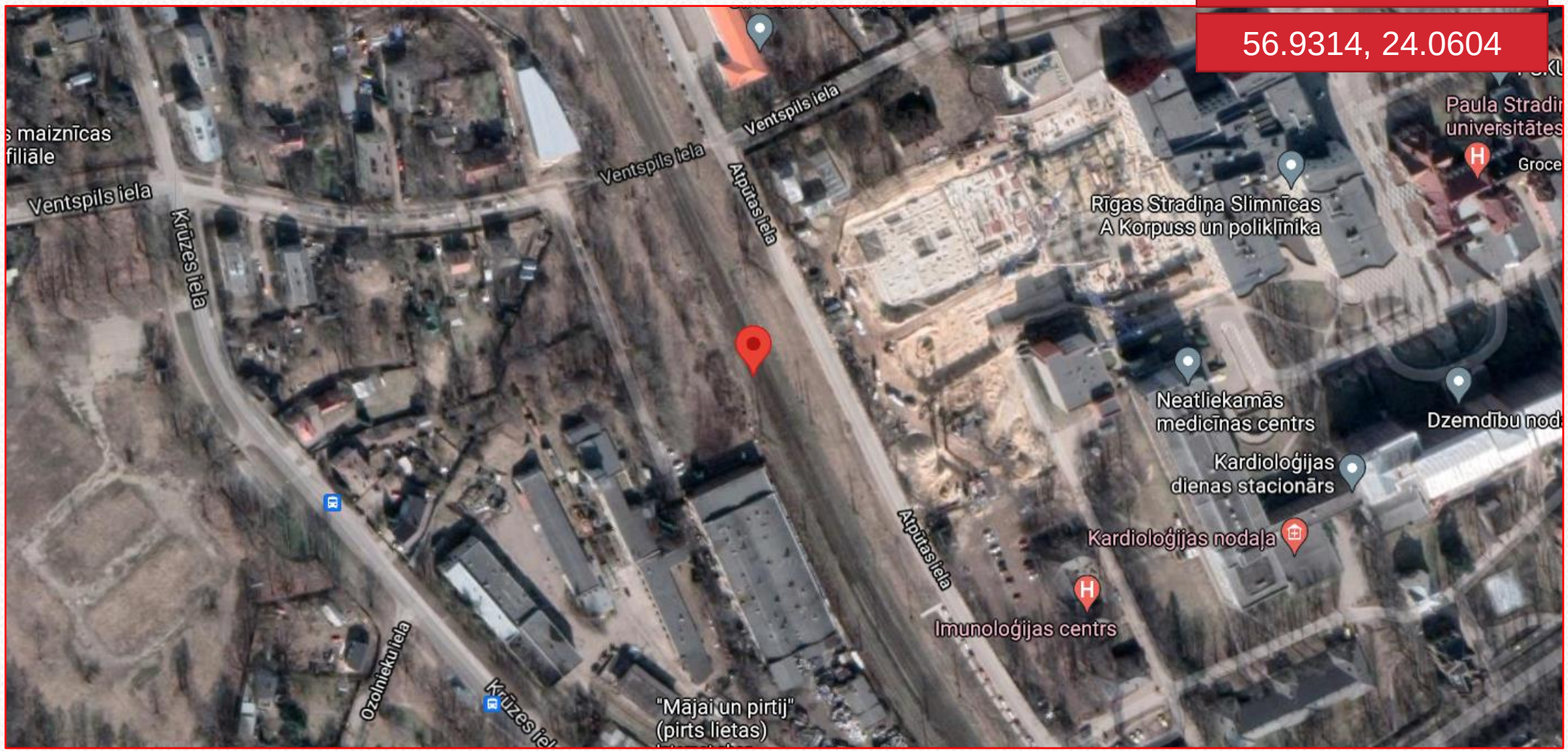
x, y



Āgenskalns station

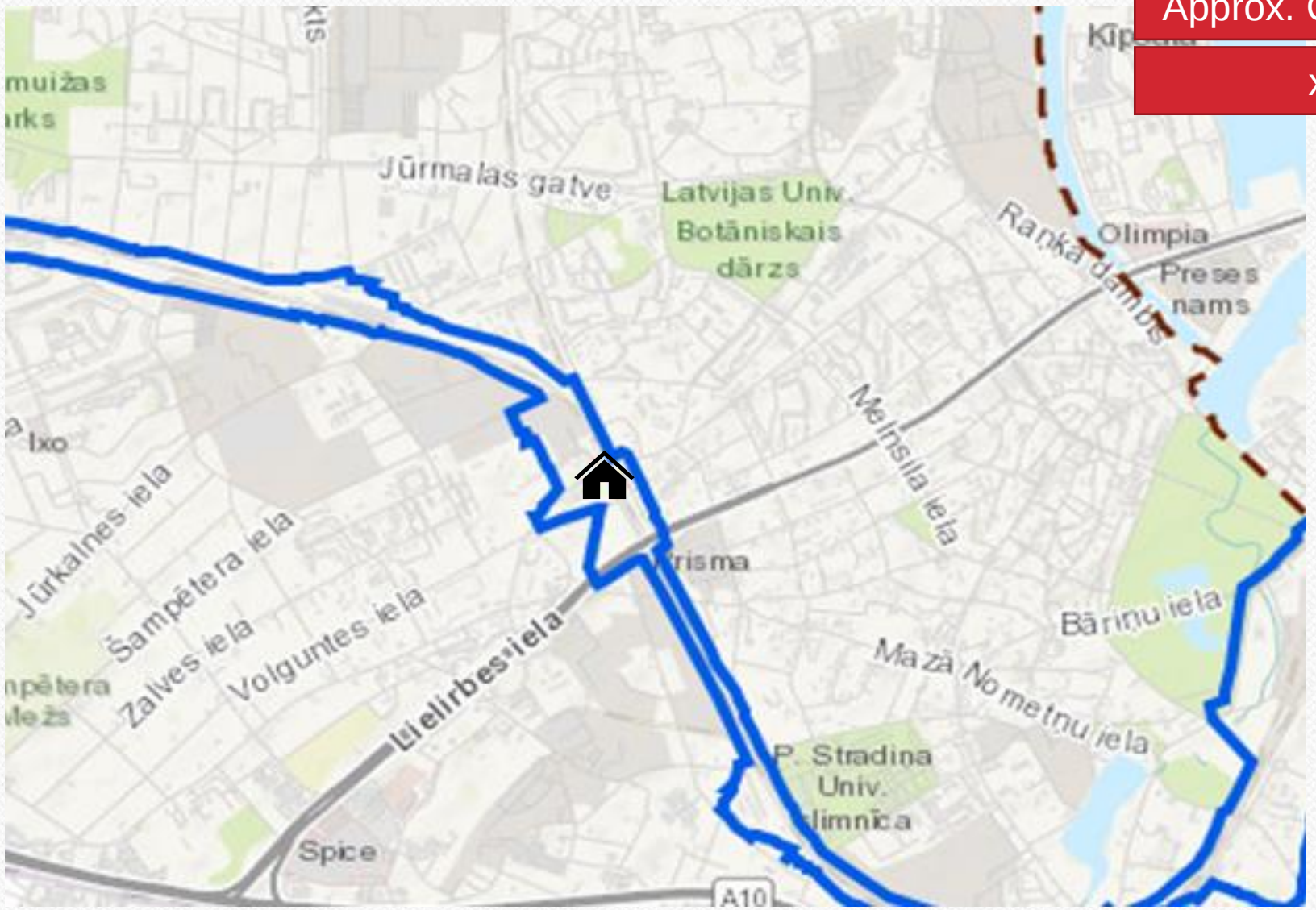
Approx. Coordinates

56.9314, 24.0604

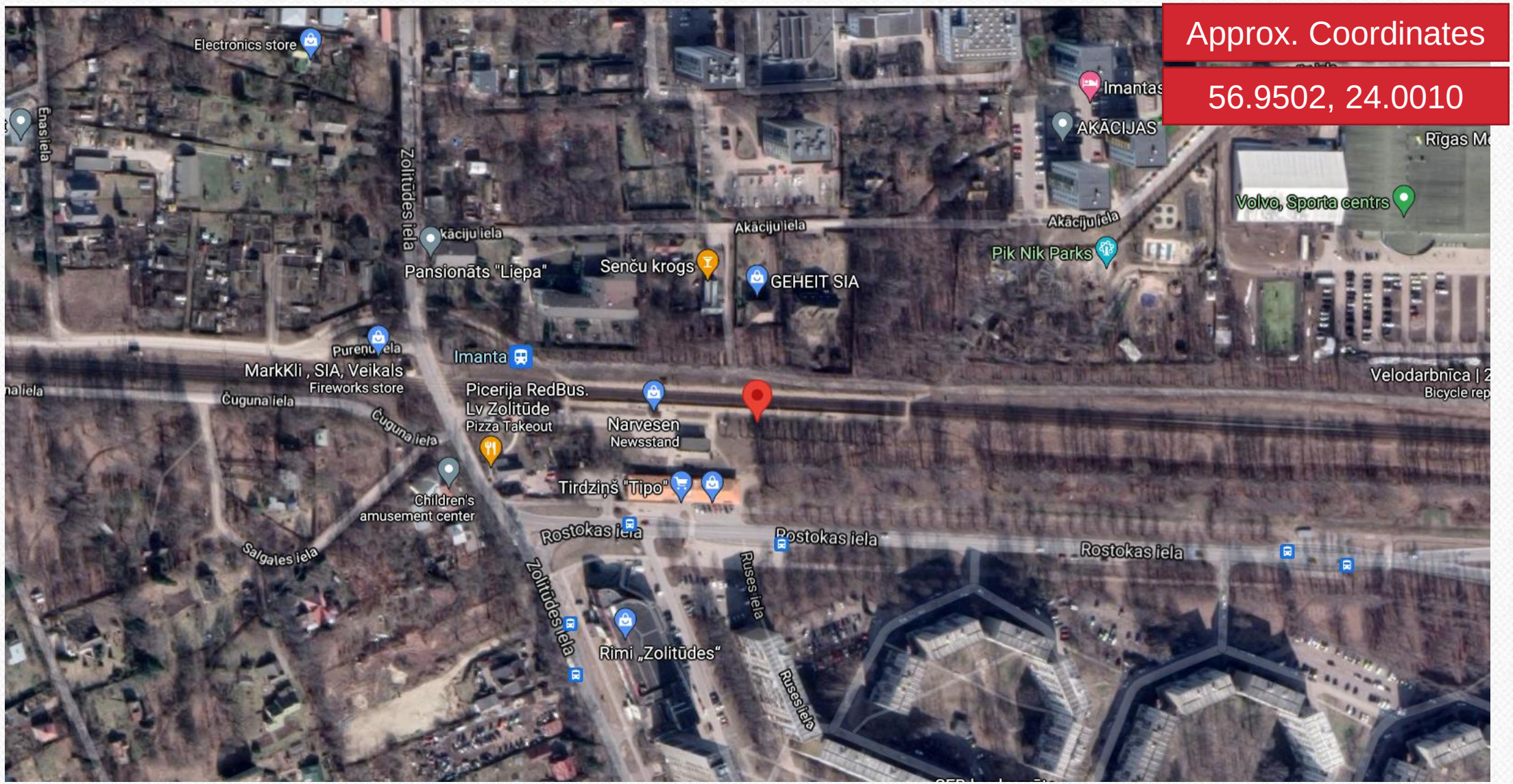


Zasulauks station

Approx. Coordinates
x, y



Imanta station

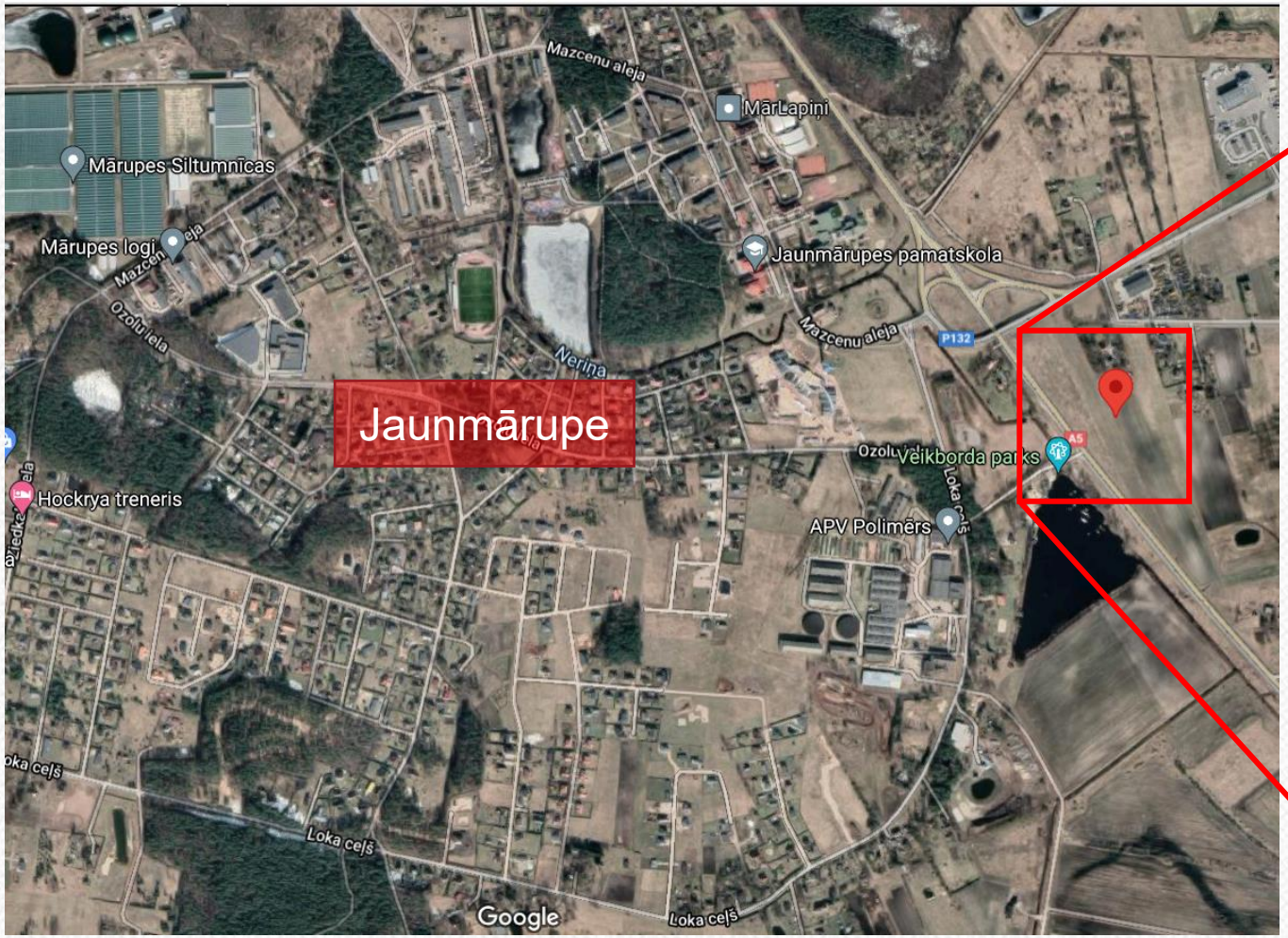


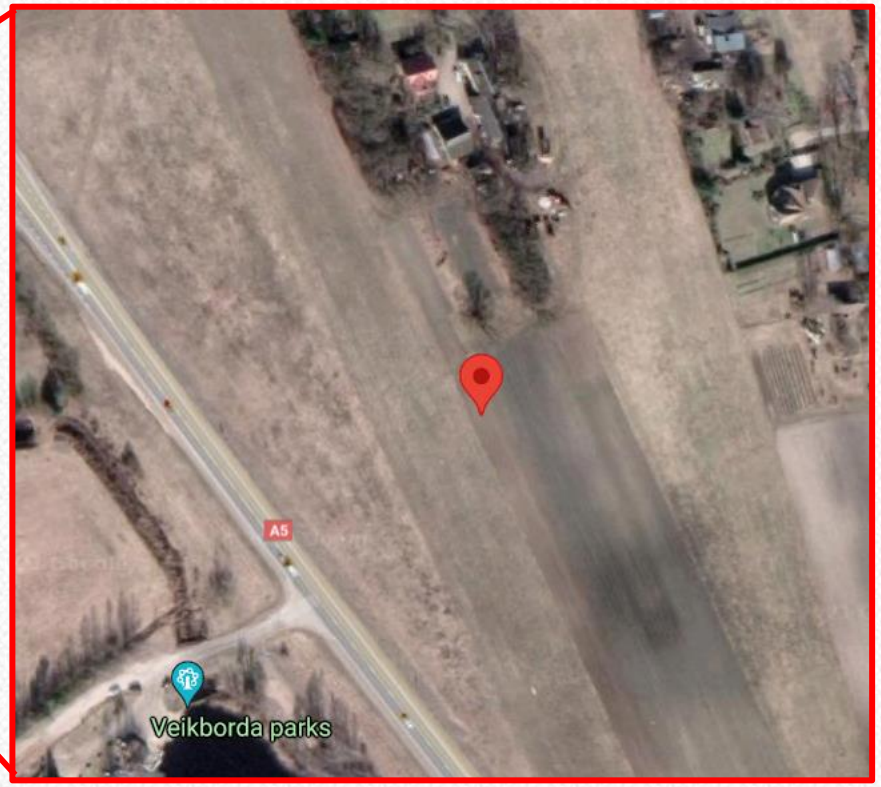
Approx. Coordinates
56.9502, 24.0010

Jaunmārupe station

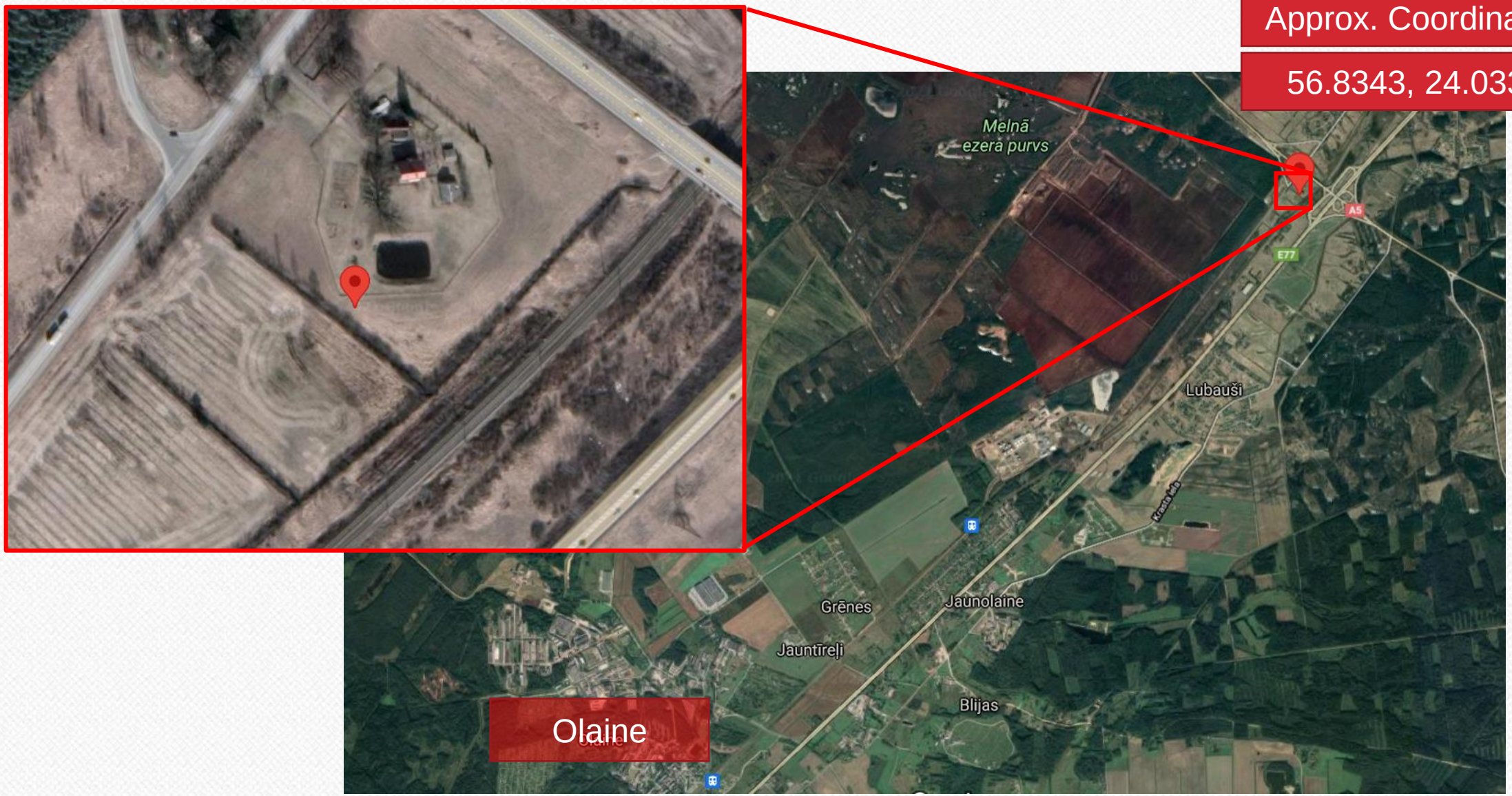
Approx. Coordinates

56.8762, 23.9577





Olaine station



Ķekava station

Submitted questions (I)

	Question	Answer
1	Is it foreseen to have seperate building permits for the stations or they will be everywhere part of the main line building permits?	It is planned to have separate building permits for each regional station.
2	Who is responsible for the management of the interface to ENE and CCS contractor (e.g. for CCS, definition of solution for platform screenwalls)?	Regional station designer shall provide interface management and cooperate with all involved parties, incl. main line desginers. How wide and at what stages of design this cooperation will be shall be specified in Technical specification. Also see Question 11.
3	What will be the evaluation criteria for the bid? We recommend to have also a technical evaluation.	Procurement comission is considering also a technical evaluation. The participants are welcome to provide feedback on Rail Baltica tenders (which criteria "work" or not and share best practices from their viewpoint. The Comission will collect these suggestions and carefully evaluate them. We cannot confirm any technical evaluation criteria currently.
4	The station design consultant should have experience with designing stations along a high-speed line. Can you confirm?	Procurement commission is working on development of qualification requirements at the moment and will set appropriate and proportionate requirements.

Submitted questions (II)

	Question	Answer
5	Will the liability be limited to the contract value?	Currently, the contracting authority can't give a specific answer on the expected limits of liability as the draft contract isn't ready yet.
6	Will it be required to perform geological investigations or those will be provided by the main line designer?	Geological investigations will need to be carried out. If any are made available by mainline, they will be reference material only.
7	Will the design phase and the survey phase be separated? We recommend to first have a conceptual verification phase, survey phase and then the detailed design phase.	The Procurement Commission will consider this suggestion for inclusion in TS. We kindly ask other participants to share thoughts in on the question.
8	Will it be necessary to have a certified designer?	Proposed designers must be certified according to Latvian legislation to provide services mentioned in contract. During procurement stage designers can be not certified, but they need to have appropriate experience and education to receive appropriate certificate henceforth.

Submitted questions (III)

	Question	Answer
9	What will be the overall timeline?	Contract execution is 20 months. Detailed breakdown shown in presentation.
10	Who will design the roads, connecting the station with the existing road network?	The winner of this planned tender up to roads already existing or planned in mainline designs.
11	How the interface with the infrastructure designer of the main line will be managed (e.g., designing pedestrian underpass through the embankment?)	The specific interface management matrix is in development; however, it will be the designers Interface Managers responsibility overall.
12	If you could clarify if the procurement is for the construction documentation and supervision of already designed stations or if refers to the full scope of design including concept?	The procurement is for finalising conceptual designs to full 100% design detail.
13	I´d like to ask about potential conflict of interest in future ¨Supervision of Works¨tenders in RAIL BALTICA project. The interested supplier is also interested in the upcoming Supervision of Works for the track of RAIL BALTICA main line. I´d like to know if there will be conflict of interest with the designer for the regional stations.	At this stage of the procurement, the Contracting authority cannot give an unambiguous answer to the question. If the Regional station designer will submit its application/offer in the possible procurement for the supervision services of the Rail Baltica main line infrastructure construction, the contracting authority will have to assess the specific factual circumstances. This includes also a possibility to request the tenderer to submit evidence that the prior involvement of the tenderer or the legal person related to the tenderer in the design of the regional stations does not unduly restrict competition in the abovementioned procurement for the supervision services of the Rail Baltica main line infrastructure construction.

THANK YOU

Questions?