



GOVERNMENT OF THE STATE OF PARANÁ
HIGHWAYS AND ROADS; RAILWAYS; AND AIRPORTS

THE ROAD TOLL IN THE STATE OF PARANÁ

CURRENT AND NEW CONCESSIONS



THE ROAD TOLL IN THE STATE OF PARANÁ

Topics

- Current road toll in the State of Paraná ;
- Modeling of the state road system New Integration Ring.

ROAD CONCESSIONS IN THE STATE OF PARANÁ

Current Contracts – General data

The State of Paraná has 6 current Road Concession contracts, in which the Paraná Highways Department (DER/PR) acts as the Granting Authority.

24-year contracts that are currently in the 23rd year of execution.

The closure is for November 2021.

ROAD CONCESSIONS IN THE STATE OF PARANÁ

Current Contracts – General data

- Internal Rate of Return (IRR): 16% to 21%
- Current road network: 2.505 km
- Increasing-block tariff (IBT) pricing for double line roads – 33%

ROAD CONCESSIONS IN THE STATE OF PARANÁ

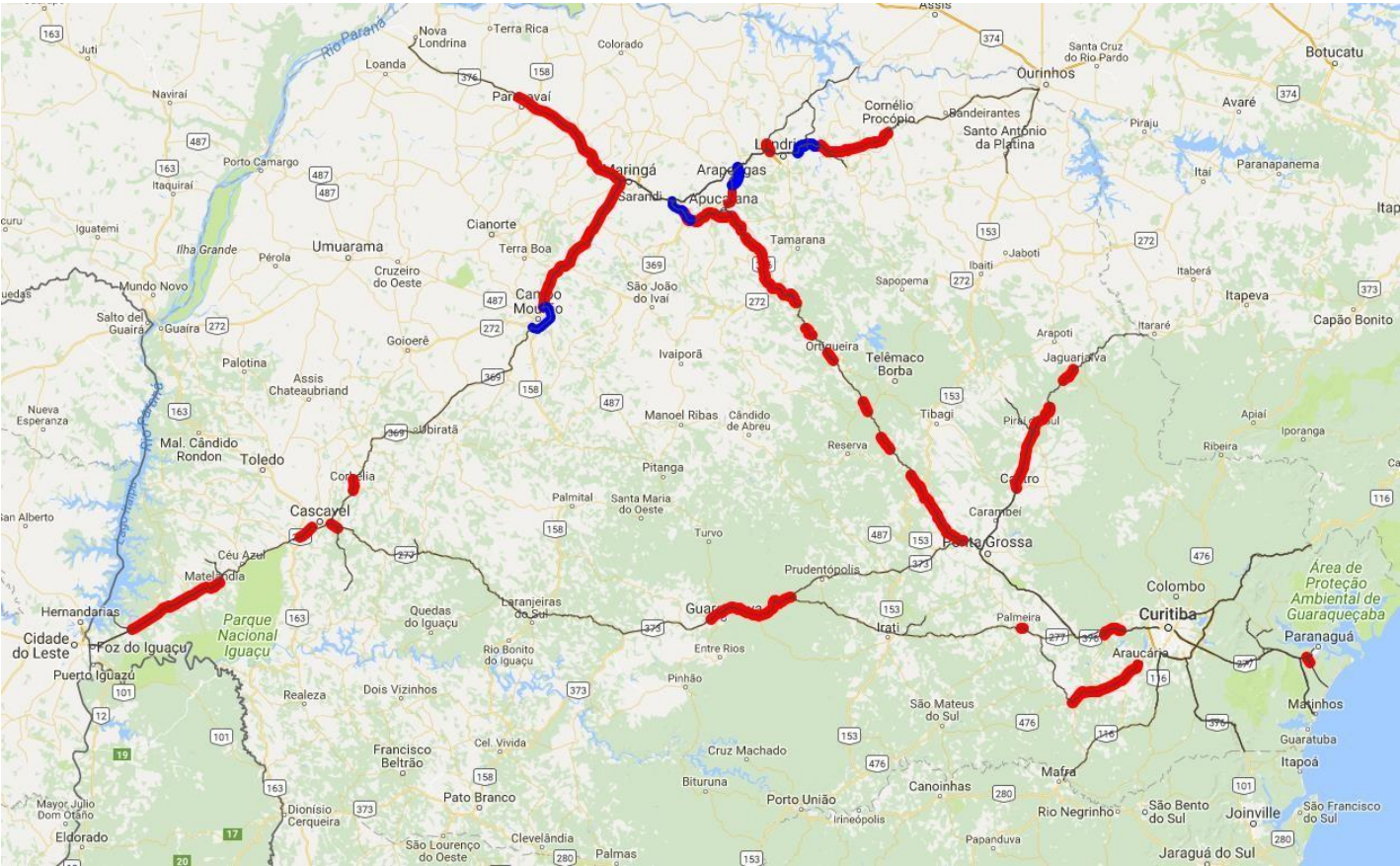
Current Contracts – Investments Status

Due to contractual changes over the years, several differences can be noticed between the main investment obligations originally planned and those currently in effect:

Stage	unit of measurement	INITIAL	CURRENT	DIF = I - C	%
Duplication	km	859,59	604,91	-254,68	-30%
Ring road	km	227,31	59,36	-167,95	-74%
Side road	km	282,96	15,66	-267,30	-94%
Third lane	km	377,64	181,34	-196,30	-52%
Footbridge	-	21	69	48	229%

ROAD CONCESSIONS IN THE STATE OF PARANÁ

Current Contracts – Map of planned investments according to the Contract Amendments



ROAD CONCESSIONS IN THE STATE OF PARANÁ

New Modeling – Basic Premises

- Hybrid Model
 - Lowest rate (10% to 20% limited discount)
 - Highest Grant
- Internal Rate of Return (IRR): 8,47 %
- Road network: 3,853.11 km
- Single Investment Cycle (3rd to 11th year)
- Increasing-block tariff (IBT) pricing for double line roads – 40%
- Frequent User Discount – FUD 3%
- Rates below current – Target: 20% reduction

ROAD CONCESSIONS IN THE STATE OF PARANÁ

New Modeling – Negotiations between Federal and State government

The modeling is coordinated by the Ministry of Infrastructure, through the hiring of the Planning and Logistics Company (*EPL*), by means of the International Finance Corporation –IFC.

The State of Paraná acts through the Memorandum of Understanding No. 001/2019, between the Ministry of Infrastructure and the Government of the State of Paraná, which created a Technical Group for Monitoring and Joint Support (*GTAAC*).

The latter, instituted by State Decree No. 3,614, of December 10, 2019.

ROAD CONCESSIONS IN THE STATE OF PARANÁ

New Modeling – Negotiations between Federal and State government

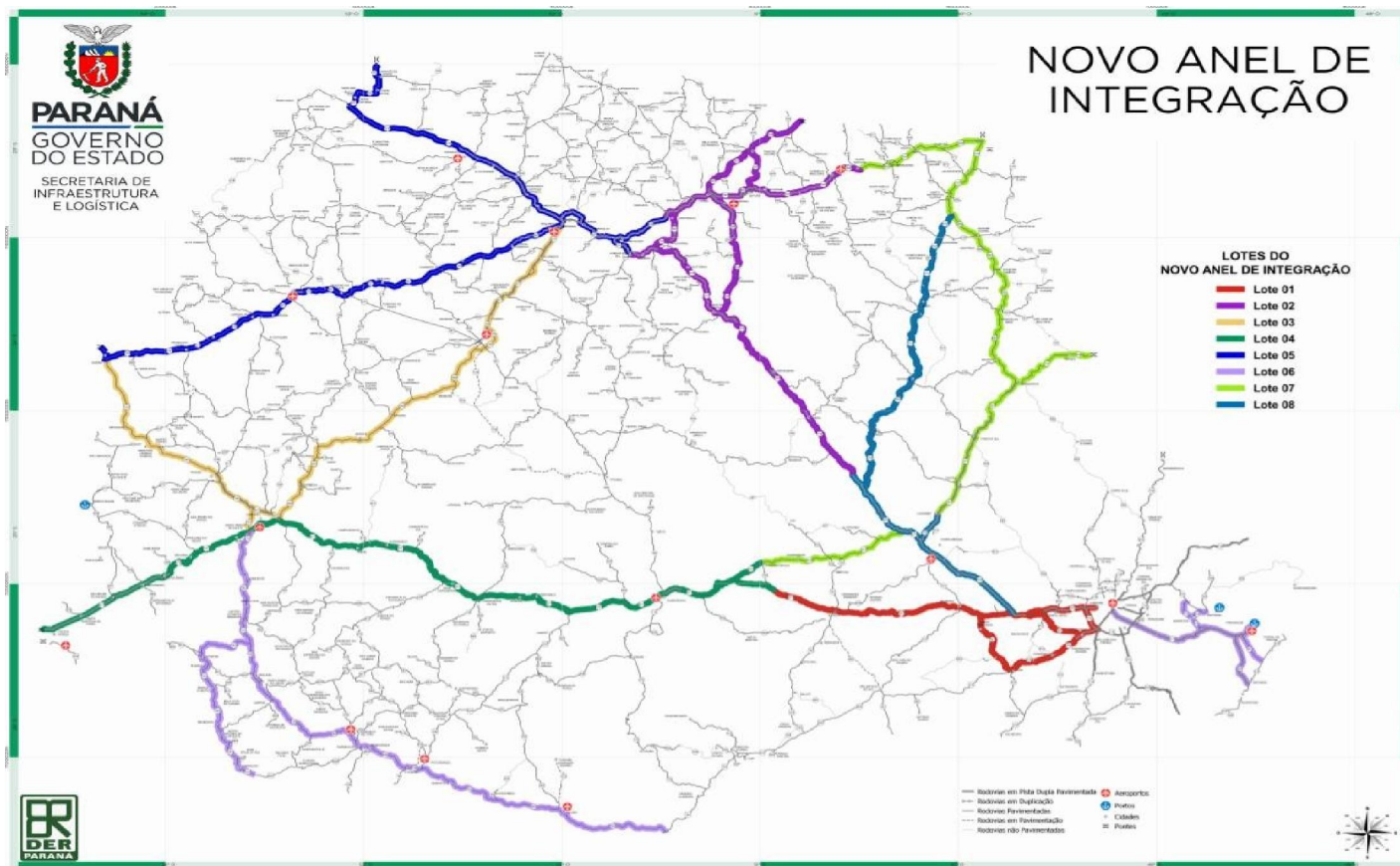
More than 27% of state and federal highways in Paraná are being studied in the modeling for the new concessions.

The Government of the State of Paraná included large state corridors such as the PR-092, PR 323 and the PR-280 corridor in the modeling.

PR-418 (Contorno Norte de Curitiba), PR-423 (Campo Largo – Araucária) and PR-445 (Londrina – Mauá da Serra) have also been included.

More than R\$ 70 billion of investments are planned (CAPEX + OPEX).

ROAD NETWORK UNDER STUDY FOR THE NEW RING



ROAD CONCESSIONS IN THE STATE OF PARANÁ

New Modeling – Project Distinctive Aspects

iRAP (the International Road Assessment Programme) incorporated in the project in the 1st and 2nd years.

Frequent User Discount (FUD) and Basic Discount of Tariff (DBT) – Progressive rate discounts, according to frequency, for light vehicles, and basic discount for TAG (5%).

Capacity Expansion Constructions between the 3rd and the 11th of the concession.

There will be a 81% reduction in single lanes to 20%, in the first ten years of the concession, and an increase from 19% to 80% in double lanes in the same period.

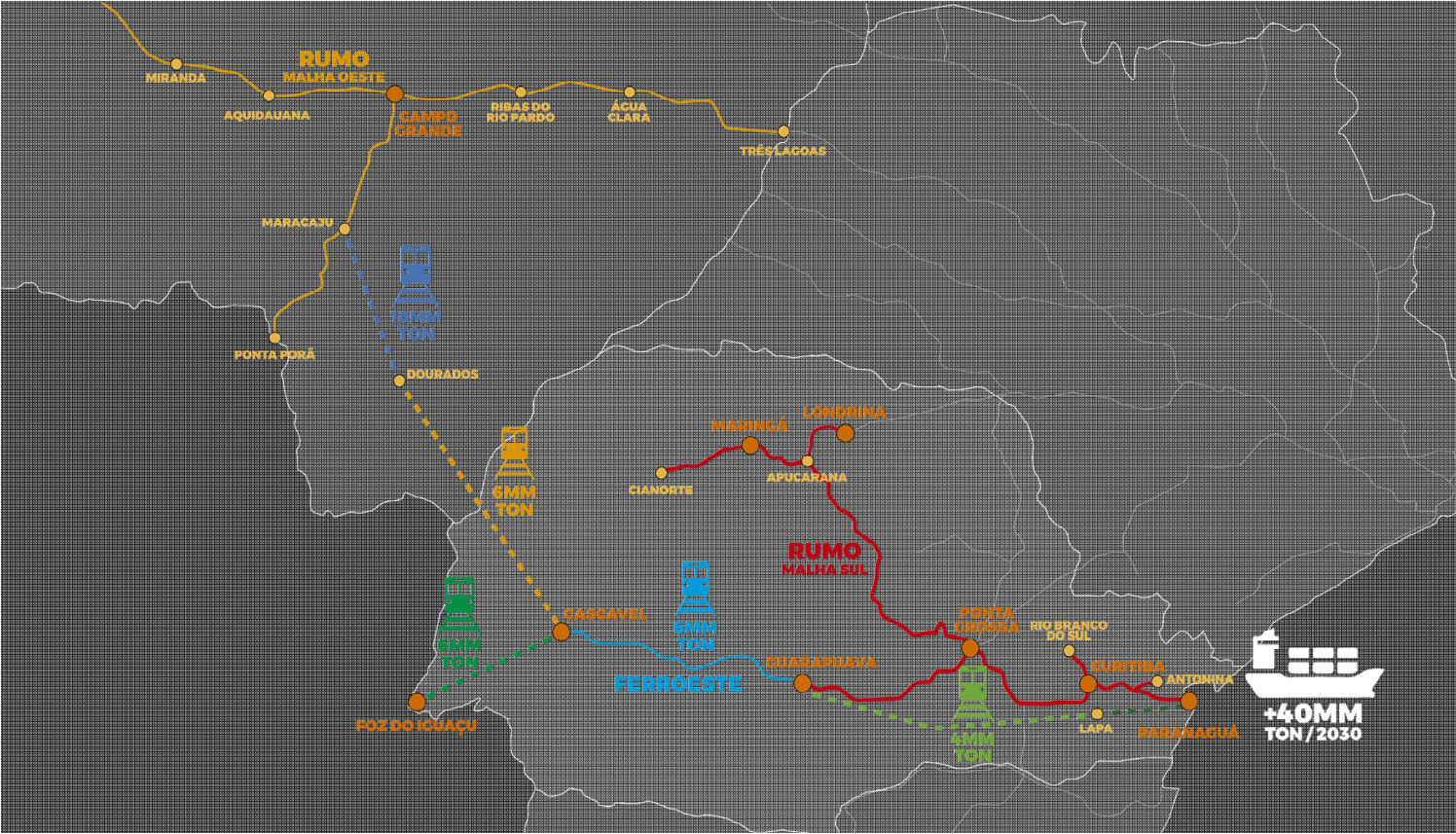
RAILWAY PLAN OF THE STATE OF PARANÁ

WEST EXPORT CORRIDOR – NEW FERROESTE



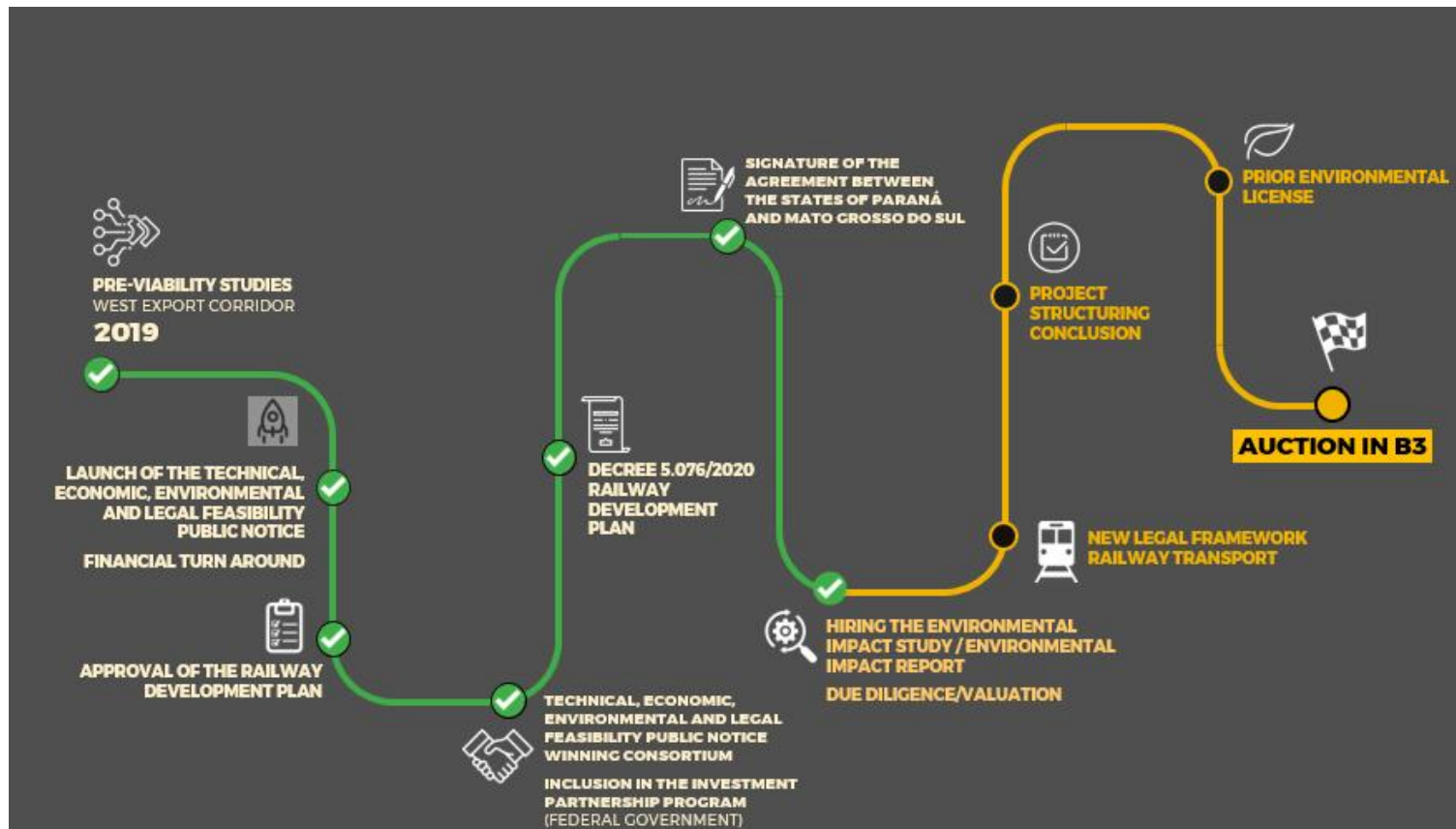
WEST EXPORT CORRIDOR – NEW FERROESTE

Load Potential



WEST EXPORT CORRIDOR – NEW FERROESTE

Road Map



AIRPORTS BIDDING PROCESSES

4 AIRPORTS ON BIDDING PROCESSES

Afonso Pena and Bacacheri airports, in Curitiba, and the airports of Foz do Iguaçu and Londrina





GOVERNMENT OF THE STATE OF PARANÁ