PPP Highways and Safe Routes Network

December 4th, 2017

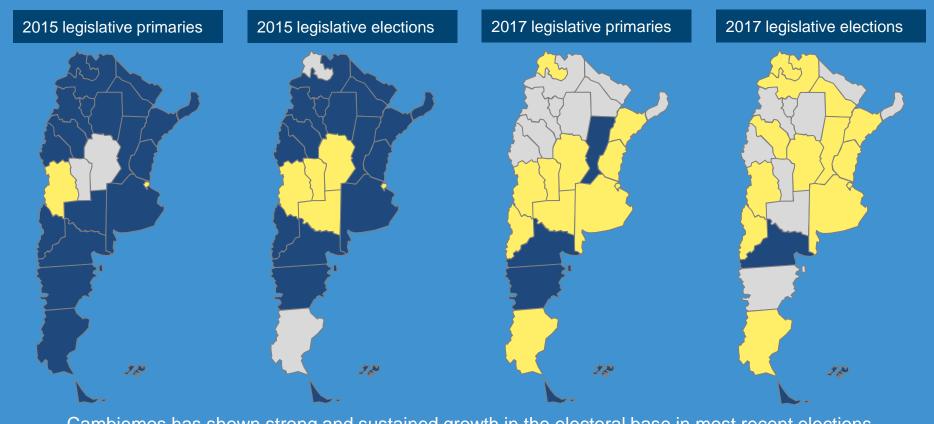








Growing popular support



Cambiemos has shown strong and sustained growth in the electoral base in most recent elections

A higher profile in the global community for 2018



President Macri's new administration has a clear plan to unveil full potential

Key reforms and initiatives

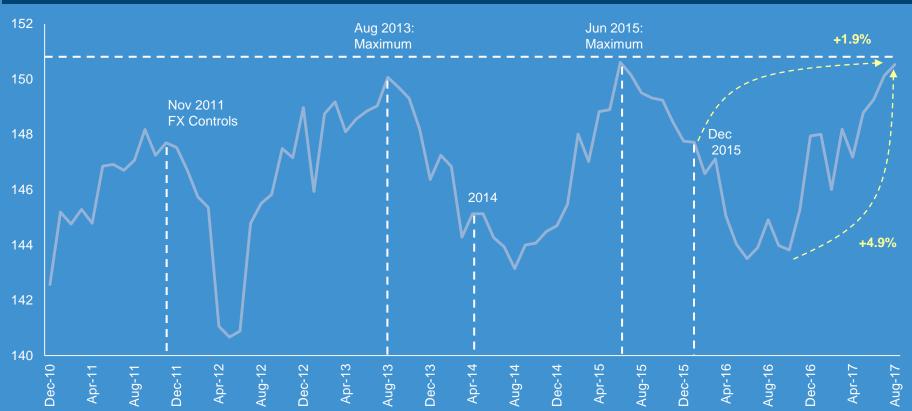
- Removed capital control and repatriation restrictions
- ✓ Floated exchange rate and recovered monetary reserves.
- Resolved defaulted debt and regained access to financial markets.
- ✓ Introduced Central Bank independence
- Re-launched the National Statistics Bureau
- Instituted inflation targeting policy to reduce inflation
- Established plan to eliminate the primary fiscal deficit
- New Public-Private Partnerships (PPP) regulatory framework
- ✓ Implemented an unprecedented tax amnesty scheme

Consensus and support on key regulations

- ✓ Antitrust Law
- Capital Markets Law
- Labor Reform Law
- Tax Reform Law
- ✓ Pension Reform Law
- Fiscal Responsibility Law

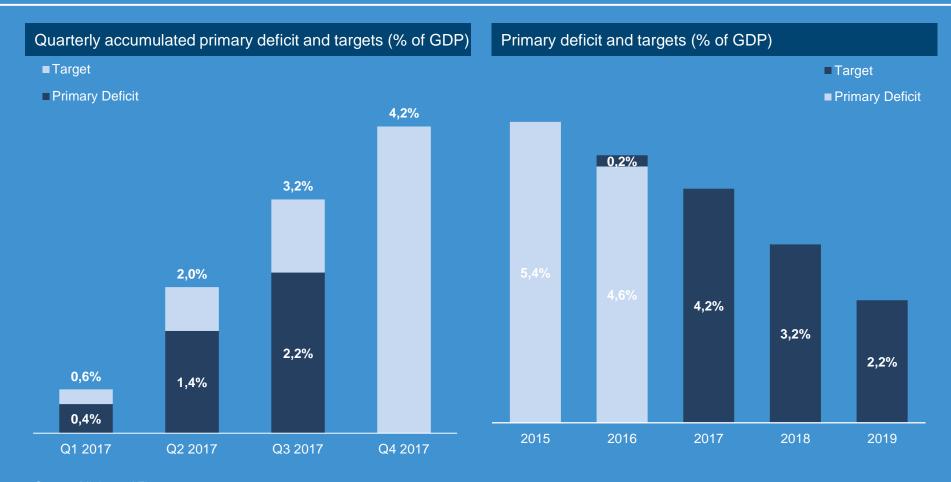
Economic recovery – breaking historic patterns





Source: INDEC, Ministry of Finance

Convergence to fiscal balance



Source: Ministry of Finance

2017 in perspective: we have not seen this type of reform

First time in 100 years that these results have occurred simultaneously...



Primary fiscal deficit/GDP decreases



Real public expenditure decreases



Tax pressure decreases



Inflation decreases

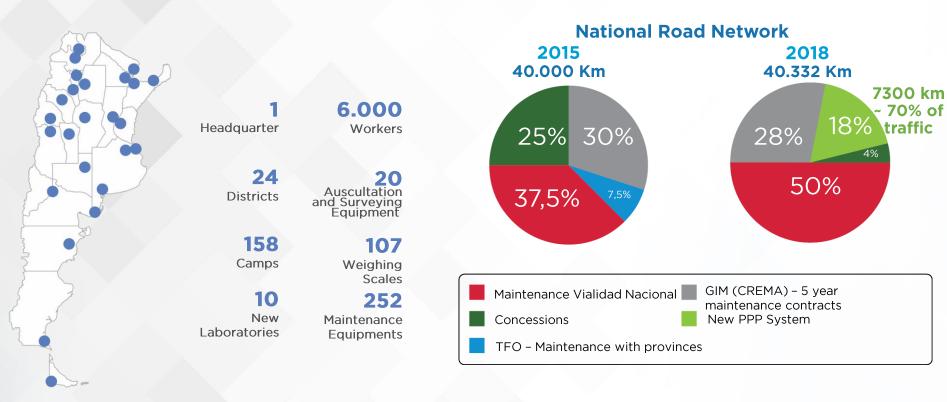


GDP grows





VIALIDAD NACIONAL: PPP CONTRACTING AUTHORITY



NATIONAL ROAD NETWORK PLAN: AMBITIOUS PLAN ONGOING

Long-Term Plan 2016 - 2027 USD 35 B PUBLIC INVESTMENT

1st Stage 2016 - 2019 USD 12 B PUBLIC INVESTMENT

2,800 Km highways

4,000 Km safe routes

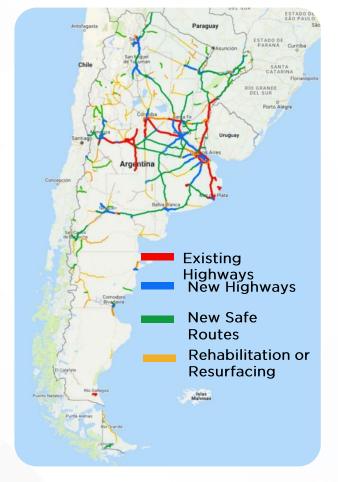
13,000 Km rehabilitation

Road widening and additional lanes construction to convert single carriage way roads to freeways

Additional lanes for takeover

To date:
1,200 km
under
construction
300 km
finished

To date:
11,000 km
under
construction
4,000 km
finished



RESULTS TO DATE

New transparent online bidding

Leading to increased competition and significant cost efficiency (c-30/40% in USD over last 18 months)

New processes for engineering, planning, designing, bidding and construction
 Delivery time reduction by c-30% to c-70%

Historical Record of asphalt consumption in Argentina

53,500 tn in March 2017 445,000tn (estimated 2017) 15% corresponds to modified asphalt

- Incorporation of technology: new asphalt plants and new equipment
- Integrity Policy: Transparency, Honesty, teamwork and professionalism

Creation of the Ethics and Transparency Unit













Access Network Buenos Aires



GCO S.A. and AUSOL S.A.

The State settled the contractual conflict that lasted for more than 15 years.

Agreement:

Works plan of USD 380 M (Acceso Norte) and USD 250 M (Acceso Oeste) to be recovered by a contract extension to 2030. Companies to give up their claims at the ICSID USD 1.135 M (AUSOL S.A) and USD 1.700 (GCO S.A).

AEC S.A.

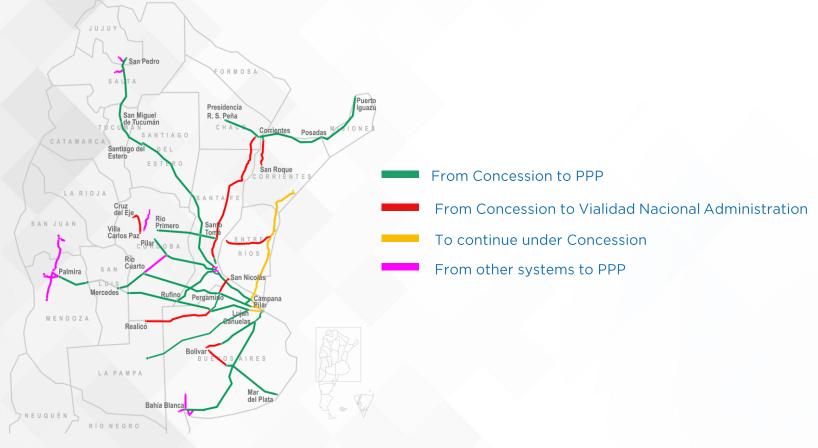
- >> Termination for breach of contract.
- >>Inclusion of the South Corridor in the PPP scheme, first stage.

ROADS PPP PROGRAM - STARTING POING

- High investment required throughout the current concessioned toll roads due to undercapacity and substandard safety conditions. Lack of access to ports and other major economic infrastructure.
- Current concessions system only requires operation and some maintenance (tariff scheme insufficient) – State subsidies of 200 MMUSD/year
- 3. Current concessions expire in April 2018 allowing for a timely PPP scheme implementation
- 4. Availability of Gasoil Tax Trust SIT to fund PPP Trust ~ 1300 MMUSD/year
 - Tax created in 1932 in order to develop National Road Network

Highways and Safe Routes PPP Network

From Concessions to PPP



15 New PPP Highways and Safe Routes Networks

PPP	ROUTEN		TOTAL AADT Veh/Day Year 2016	MAX Veh / Day Year 2016	MIN Veh / Day Year 2016	STAGE
Α	3 , 226		24.400	6.200	1.900	- 1
В	B 5		23.500	11.700	3.600	I
C	7, 33	877	28.600	8.800	2.900	1
D	8, 36, A-005, 158, 188	911	27.500	12.400	2.200	II
E	9, 11, 34, 193, A-008, A-012	389	56.400	24.200	4.900	I
F	9 Rosario - Córdoba HWY, 33	635	32.100	11.100	2.800	I
G	12, 16	780	31.100	11.200	3.300	П
Н	34, 9, 66, 1V66	887	19.100	4.600	3.100	Ш
i	19, 34	664	26.700	6.400	3.200	Ш
Sur	Riccheri HWY, J. Newbery Ave., Ezeiza - Cañuelas HWY, 3, 205	299	231.900	147.000	4.700	I
ВВ	3, 33, 229, 249, 252, 1V252, 1V3	247	7.100	3.700	3.400	Ш
Cuyo	7, 20, 40	342	9.400	6.000	3.400	Ш
Parque HWY	Parque HWY	82	42.000	22.000	20.000	Ш
Paraná Santa Fe Bridge	Paraná - Santa Fe Bridge	30	11.000	_	_	Ш
Chaco Corrientes Bridge	Chaco - Corrientes Bridge	34	7.000	_	_	Ш

Total 7422 km





COMPARISON OF BOTH SYSTEMS

	Current Concessions	PPP New Contracts
CONCESSION TERM	6 years (It was extended to April 21, 2018)	15 years
EXTENTION	8.702Km (without access to CABA y CV N18)	7.422 km
WORKS	Without capacity expansion works. Resurfacing as Public Work	Capacity expansion and Resurfacing Works at the contractor's expense
REGULATORY FRAMEWORK	Law 17.520 (Concessions)	New Regulatory Framework Law 27.328 (PPP)
OPERATION AND MAINTENANCE	Toll collection does not cover operating and maintenance expenses. The difference is paid by the contribution of SISVIAL. (\$ 3.500 M per year)	Balance between user's income and operating and maintenance expenses
CONTRACTOR'S INCOME	By toll Collection and the National Treasury Funds.	Compensation for use (Toll) and public compensation (existing gasoil tax)
RISKS	Minimal Risks for the contractor	Construction risks, maintenance and financing are contractor's responsibilities
WORKS FINANCING	100% by the State	100% by the Contractor
TOLL TARIFFS	Different rates unrelated to light -heavy goods vehicles	Tariff uniformity. Better relation between light and heavy goods vehicles.

PPP PLANNED INFRASTRUCTURE

Current network under concession

12% Highway

6% Semihighways

82% Standard Routes

System covered by PPP contracts

54% Highway

4% Semihighway

42% Safe Routes

0% Standard Routes









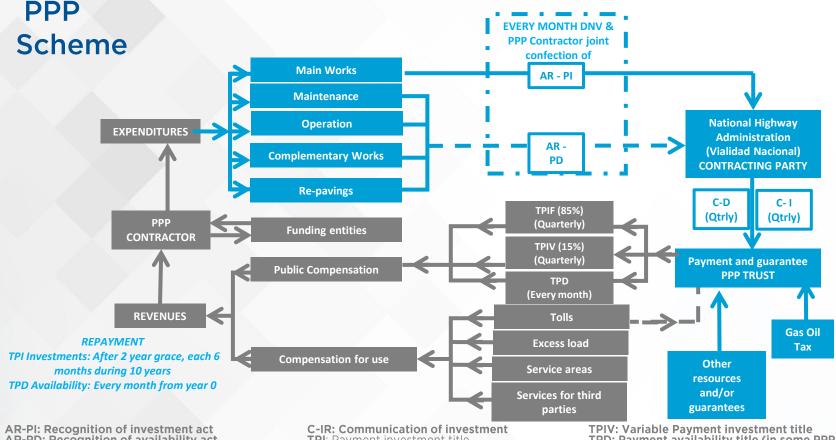












AR-PI: Recognition of investment act AR-PD: Recognition of availability act C-D: Communication of availability

TPI: Payment investment title
TPIF: Fixed Payment investment title

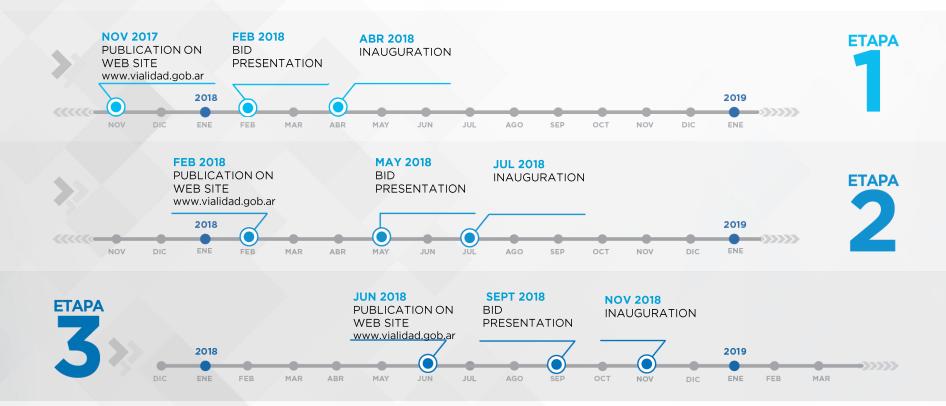
TPD: Payment availability title (in some PPP contracts, depending if Tolls are enough to operate and maintain)

TENDER

- 1 Requirements:
 Technical Financial -Legal
 Technical: Routes construction
 experience/routes concessions
 operator/infrastructure PPP/Project Finance
- 2 BRP A Mual Value of the Public Compensation Payment Investment Titles (TPI) / Payment Availability Titles (TPD)
- Winner: bidder asking for the minimum value of Public Compensation (TPI / TPD)



GENERAL SCHEDULE OF TENDER PPP





MAIN WORKS

PPP	HIGHWAY Km	SAFE ROUTES Km	SPECIAL Km	City Bypass #	STA GE	
Α	116	494	56	5	1	
В	143	372	19	4	1	
C	14	546	0	2	- 1	
D	62	655	0	1	II	
E	124	32	163	3	1	
F	238	0	0	1	I	
G	187	435	0	3	II	
Н	147	447	0	1	II	
i	171	137	0	1	П	
Sur	175	50	14	2	/ 1	
BB	138 33 45 109		0	0	II	
Cuyo			7	1	II	
AU Parque	50	_	_	0	III	
PARANÁ SANTA FE BRIDGE	_	_	30	1	III	
CHACO CORRIENTES BRIDGE		_	34	1	III	
TOTAL	1.610 Km	3.310 Km	324 Km	26		
STG I	810 Km	1.494 Km	252 Km	17		
STG II	750 Km	1.816 Km	7 Km	7		
STG III	rg III 50 Km —		64 Km	2		

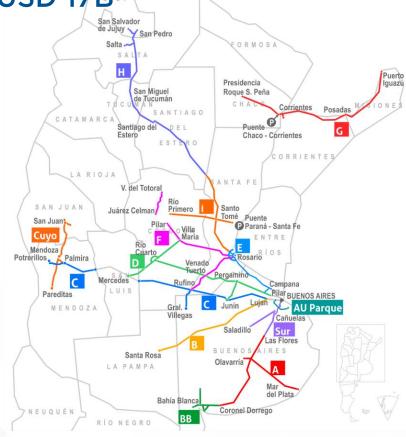


TOTAL ESTIMATED INVESTMENTS ~ USD 17B

PPP	ESTIMATED INVESTMENTS IN WORKS FIRST 4 YEARS USD M	ESTIMATED INVESTMENT IN ADDITIONAL WORKS, RESURFACING AND MAINTENANCE FROM YEAR 5 TO 15 USD M	STAGE
Α	984	346	I
В	989	244	I
C	631	455	I
D	1.063	298	П
E	1.342	370	I
F	1.114	372	1
G	1.039	456	П
H	991	510	П
i	778	427	П
Sur	975	236	I
BB	638	169	П
Cuyo	278	181	П
Parque HWY	500	55	Ш
Paraná Santa Fe Bridge	650	21	III
Chaco Corrientes Bridge	700	32	III

USD 12.572 M

USD 4.172 M



HIGHWAY



Horizontal Road Signalling Pavement Demarcation

Modified asphalt mixture

- Avoid Spray and aquaplanin
- Greater adhesion

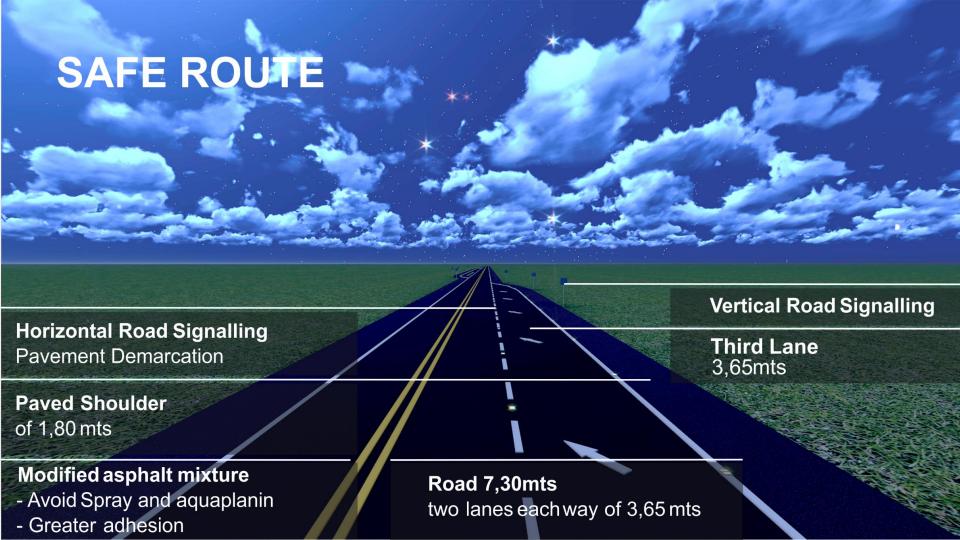
Road 7,30mts two lanes each way of 3,65 mts

Center island

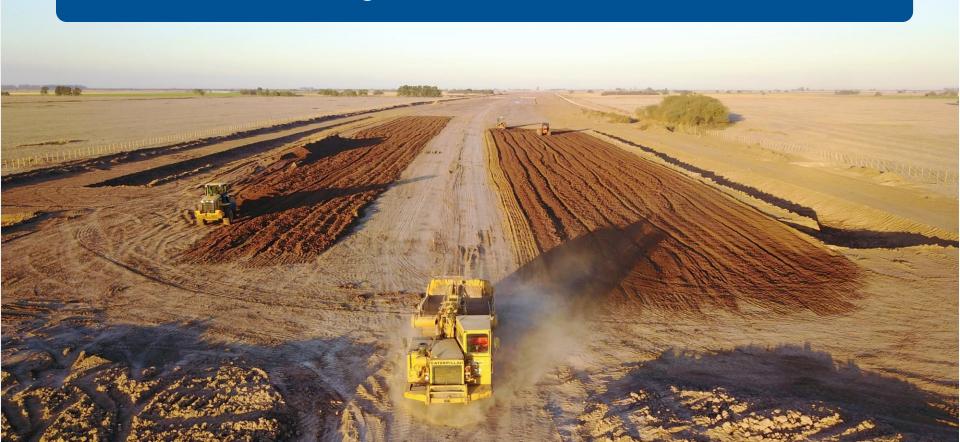
Vertical Road Signalling

Paved Shoulder of 1,80 mts

Collector

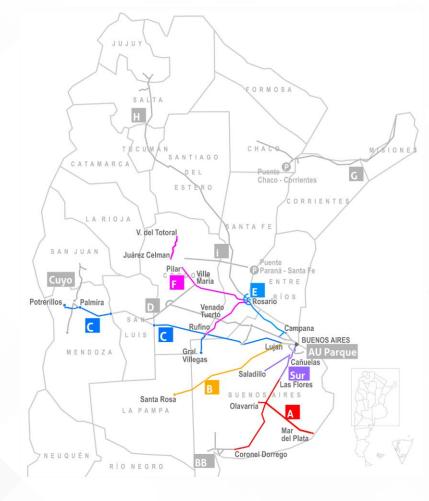


Stage I - First Tender



MAIN WORKS STAGE I

PPP	HIGHWAYS Km	SAFE ROUTES Km	SPECIALS Km	BYPASS Amount		
Α	116	494	56	5		
В	143	372	19	4		
С	14	546	0	2		
E	124	32	163	3		
F	238	0	1	1		
Sur	175	50	14	2		
TOTAL	810 Km	1.494 Km	253 Km	17		

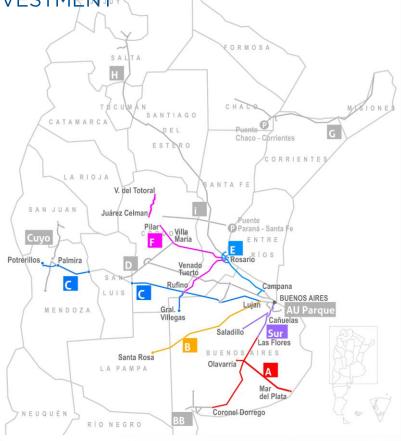


MAIN WORKS STAGE I ~ 8BUSD ESTIMATED INVESTMENT

PPP	ESTIMATED INVESTMENTS IN WORKS FIRST 4 YEARS USD M	ESTIMATED INVESTMENT IN ADDITIONAL WORKS, RESURFACING AND MAINTENANCE FROM 5 TO 15 YEARS USD M
Α	984	346
В	989	244
C	631	455
E	1.342	370
F	1.114	372
Sur	975	236

USD 6.035 M

USD 2.023 M



ROAD CORRIDOR E CAPEX, OPEX AND MAIN WORKS

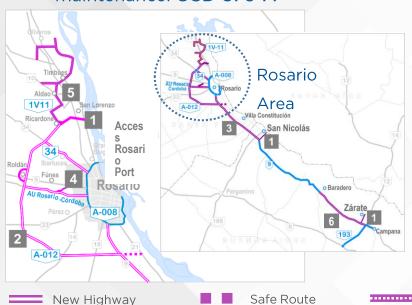
Lenght: **390 Km** AADT year 2016: **56,400**

Estimated investment first 4 years: USD 1,342 M

Estimated investment from year 5 to 15 in additional works, resurfacing and

Semi HWY

maintenance: USD 370 M



N°	Area Type of work	Section	NR N°	L Km	Progress 2018 '19 '20 '21 '22 '23 '24 '25
1	Port access	Rosario San Nicolás Zárate	A-012 9 9	_	
2	Highway	NR N° A-012 belt highway, it includes Ricardone and Roldan bypass	A - 012	73	
3	Specials	3erd Lane San Nicolás - Rosario	9	61	
4	Highway	Access Rosario Airport	Conne- ction	4	
5	Highway	New NR N° 11	R1V11	37	
6	Specials	3erd Lane Zárate - Baradero	9	69	





ROAD CORRIDOR A CAPEX AND MAIN WORKS

Lengh: **707 Km** AADT Year 2016: **24.400**Estimated investment first 4 years: USD 984 M
Estimated investment from year 5 to 15 in additional

Estimated investment from year 5 to 15 in additional works, resurfacing and maintenance: USD 346 M

Semi HWY



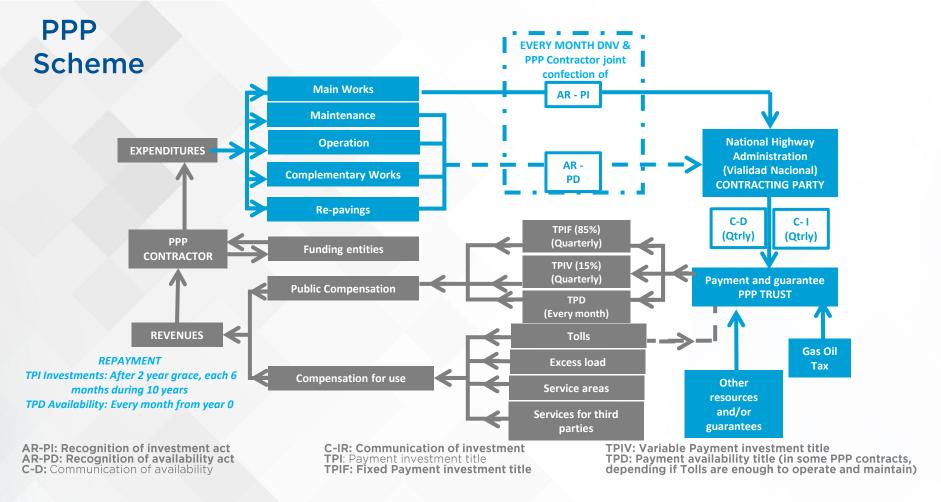
N°	Area Type of work	Section	NR N°	L Km	gres 1912	1 22	²³	²⁴	²⁵
1	Highway	Las Flores Azul	3	116					
2	Specials	Split level junction Azul - Olavarría	226	41					
3	Safe Route	Tandil bypass	226	24					
4	Safe Route	Tres Arroyos bypass	3	26					
5	Safe Route	Balcarce Azul	226	174					
6	Safe Route	Azul Cnel. Dorrego	3	270					





All information available at **ppp.vialidad.gob.ar**





How to mitigate construction and operational risks

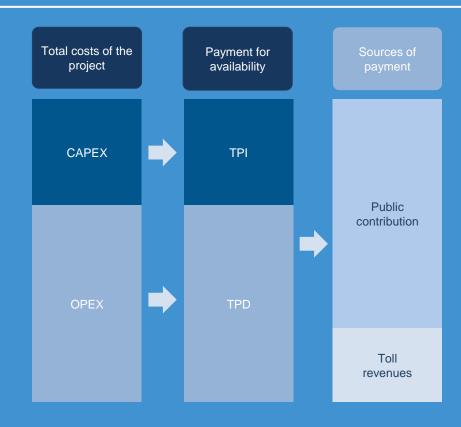
- Repayment of investments incurred both during construction and operation of the project
- Establishment of service and infrastructure availability payments, applying penalties and fines in case of breaches
- Separate repayment, with distinction between TPI and TPD:



- Linked to investment obligations, recoverable in the long term
- ✓ Linked to the construction phase risks only

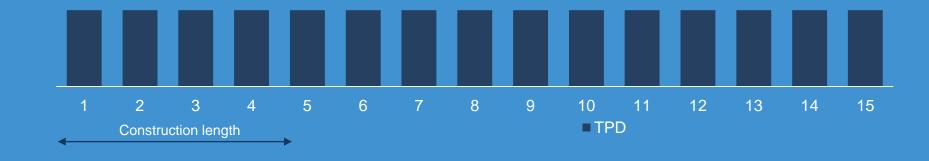


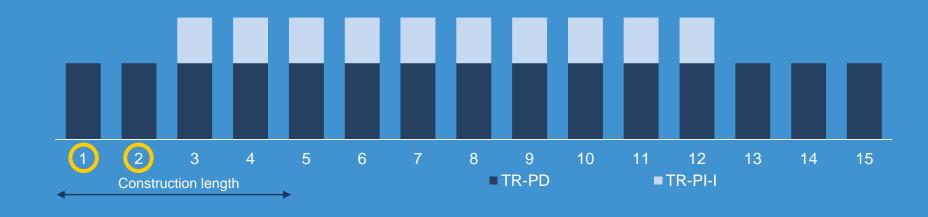
- Linked to obligations to provide the service of operation and maintenance
- ✓ Linked to the operational phase risks only

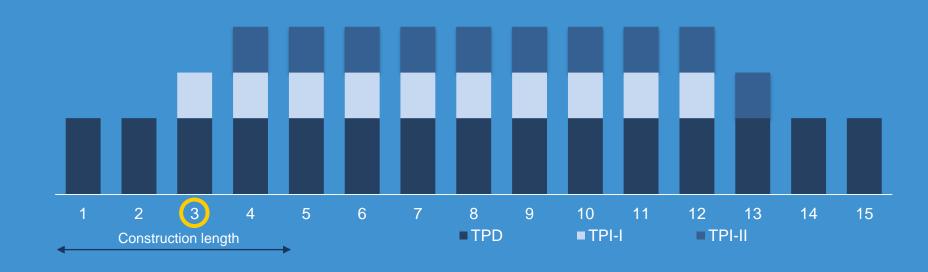


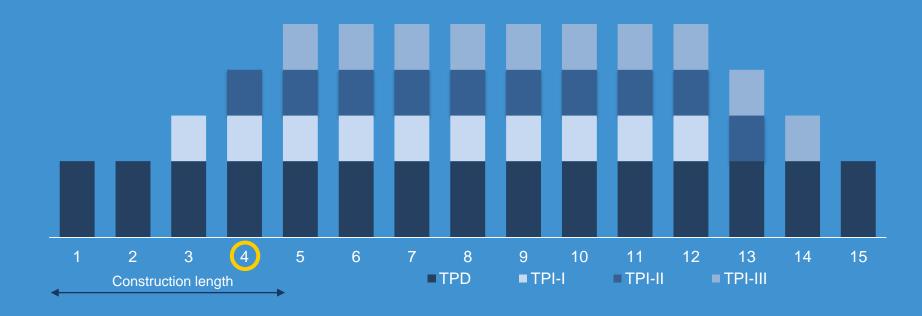
Argentina — Application to road infrastructure PPPs

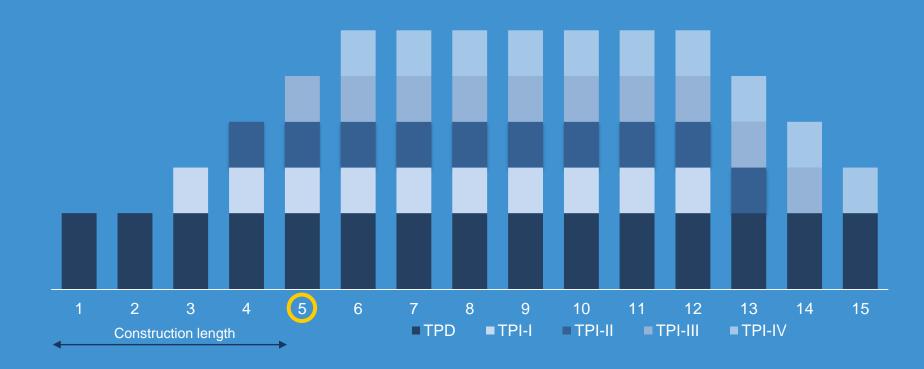


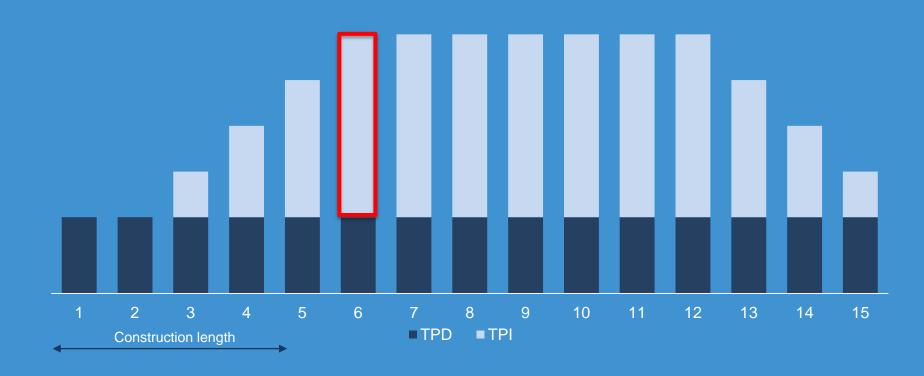




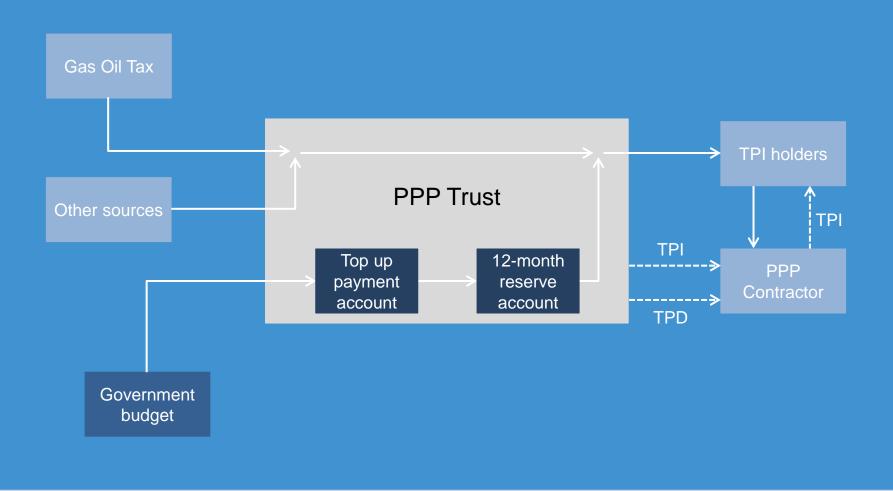




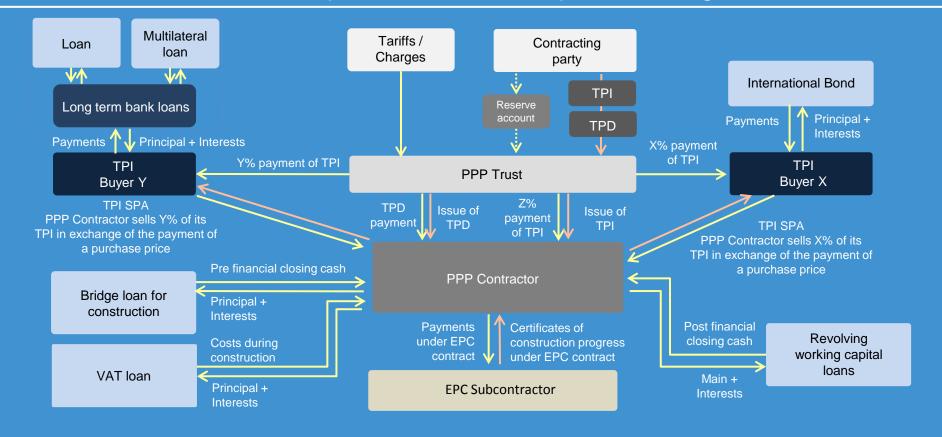




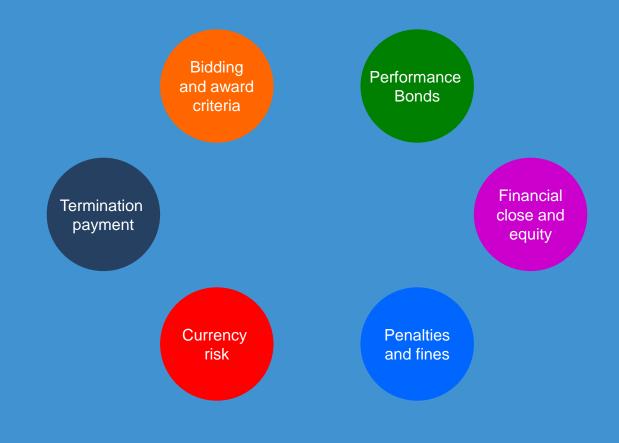
PPP Trust to manage issuance and payment of TPI's and TPD's



A structure to enable the optimization of multiple financing sources



Structural Considerations



Structural Considerations

Bidding and award criteria

- No limits on quantity of projects bid
- Lowest annual repayment bid wins
- No more than 2 projects awarded to a single bidder
- Bid with highest spread to runnerup's bid will be awarded in case of 3 or more projects won by single bidder

Performance Bonds

- Bid bond until contract signing
- Financial closing bond up to 12 months
- Main works performance bond
- Main services performance bond

Financial closing and equity

- 6-month initial deadline
- 2 consecutive 3month extension at the option of PPP contractor
- Rising financial close bond with every extension
- Evidence of availability of funds needs to be presented

Penalties and fines

- 100% irrevocable and unconditional TPI's if penalties and fines backed by on-demand bonds
- 85% irrevocable and unconditional TPI's, and 15% irrevocable but conditional TPI's, if penalties and fines not backed by ondemand bonds

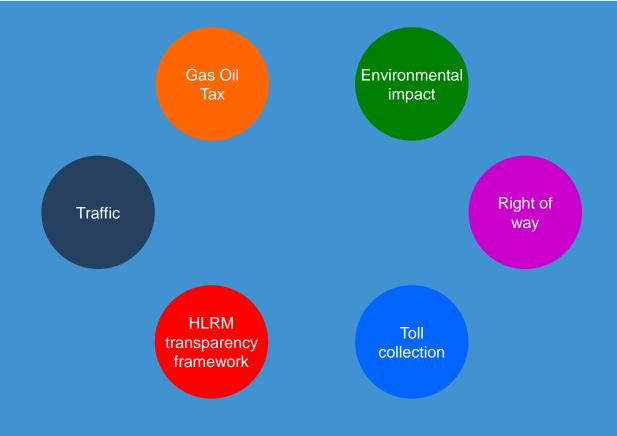
Currency risk

- TPI's paid in US dollars
- Optional FX collar offered to mitigate deviations above and below 10% real FX fluctuation
- TPD's paid in local currency, adjusted by official indices

Termination payment

- Monthly investment advancement acts (ARAI's) issued by DNV
- ARAI's included automatically in the calculation of the termination payment
- Dispute resolution mechanisms through Technical Board, then Arbitration Court

Argentina — Risk assessment of the Road infrastructure PPP program



Argentina — Risk assessment of the Road infrastructure PPP program

Traffic

- Known traffic history
- More than 20 years of records available
- +3% growth historical trend
- Low competition of other forms of transport

Gas Oil Tax

- High correlation with gas oil price
- High correlation with asphalt price
- High correlation of the amount collected to exchange rate
- Collection security and funds application through the Integrated Transport System Trust (SIT)

Environmental impact

- Low environmental risk because they are known ways
- Original approvals issued
- Broad experience of the National Road Directory (DNV) in mitigating environmental impact
- Early intervention of the Ministry of Environment approved

Right of way

- Low expropriation risk as it is an existing plan
- Legal framework allows to go forward first and face controversies later

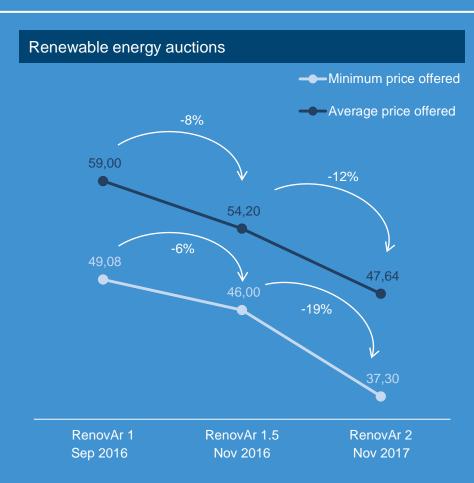
Toll collection

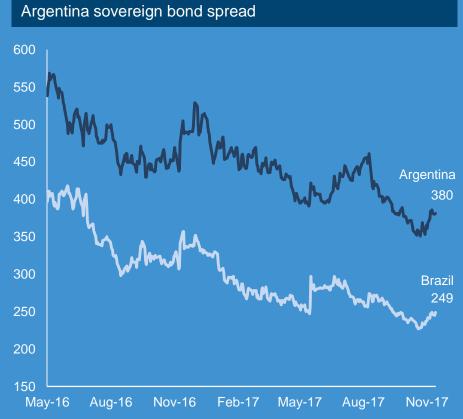
- Long experience in local toll collection
- More than 20 years of records available
- Toll complemented by the government
- User acceptance of toll updates

HLRM transparency framework

- PPP Road infrastructure pilot program
- High level report mechanism implemented jointly with OECD
- Possibility to raise early alarms in anonymity

RenovAr as a witness case





Schedule

	2017						2018			
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Previous studies and preliminary report	24			17						
Reports by Ministry of Environment and Sustainable Development, Treasury and Finance					14					
Executive Summary publication, Public hearing, transparent consultation procedure, debate and exchange of formal inquiries					15	22				
Pre-bidding documents publication						4				
Summons, approval and publication of final bidding documents						26				
Bid presentation and opening								26		
Bid evaluation and ruling								27		9
Contract award										10
Contract signing										18
Notice to proceed										21

Q&A

VIALIDAD NACIONAL







Contacts:

http://ppp.vialidad.gob.ar/consultas/

Vialidad Nacional consultasppp@vialidad.gob.ar

PPP Unit - Ministry of Finance ppp@mfin.gob.ar

Argentina Investment Agency ppp@invest.org.ar

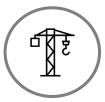


The Argentina Investment & Trade Promotion Agency was created to accelerate the process of inserting Argentina into the world



Opportunities & location

We survey and assist potential investors to identify attractive sectors and opportunities
We also provide relevant information to assist the search for an adequate location



Investment

We assist investors through the execution of the investment, supporting and facilitating administrative procedures and bureaucratic processes



Networking

We schedule and accompany the investor in meetings with the government, business chambers and other relevant organisms



Improvement of the business climate

We work together with investors to identify obstacles in the investment process as to reduce execution times and costs



Due diligence support

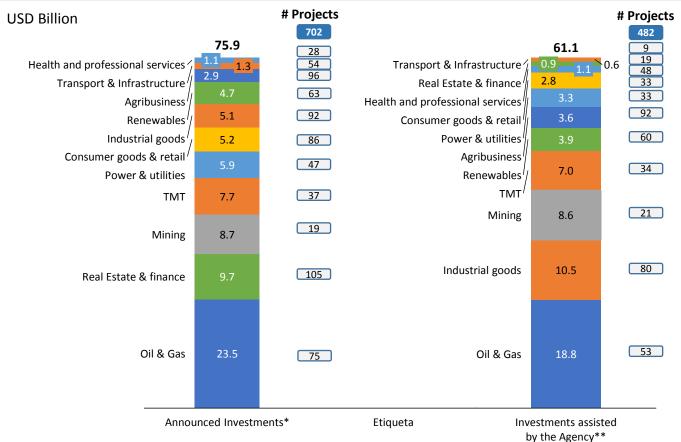
We produce reports regarding the economy and regulations of Argentina, sub national regions and business sectors to support business plans



Aftercare

Once the investment is finalized, we keep supporting investors, assisting them if needed

There are private investment announcements for USD 76 Bn. The Agency is assisting projects for USD 61 Bn



^{*} From 12/11/15 to 10/10/2017. Includes only projects with a declared monetary amount.

^{**} Includes projects already announced and yet not announced but assisted by the Agency.

Thank you







