

### Basic Information

<b>Approval Year</b>	: 2020	<b>Region</b>	: REG
<b>Team Leader</b>	: Sosa Sartori, Martin Daniel	<b>Country</b>	: Regional
<b>Taxonomy</b>	: Client Support	<b>Department</b>	: INE
<b>Fund</b>	: INF,ORC-INF	<b>Sector</b>	: TR - Road Safety
<b>Approval Number</b>	: ATN/OC-18046-RG	<b>Sub Sector</b>	: VSE
<b>Execution Agency</b>	: US-IDB		
<b>Execution Status</b>	: Closed		
<b>Operation Objective</b>	: The overall objective of this TC is to continue the implementation of the Bank's Safe Mobility Strategy, over the period 2020-2021, by strengthening the road safety results achieved in over a decade of action by supporting LAC countries in stabilizing and reducing the number of road accidents and their consequences, as well as providing mobility options that are comprehensive, safe, accessible and affordable.		

### Financial Information

RG-T3611			
ATN/OC-18046-RG:ORC	Original	Current	% of Current Amount Financed
<b>Amount Financed</b>	\$375,000.00	\$374,224.73	
<b>Disbursed Amount</b>	N/A	\$374,224.73	100.00 %
<b>Commitments not yet disbursed Amount</b>	N/A	-	0.00 %
<b>Available Amount</b>	N/A	-	0.00 %
<b>Final Disbursement Date</b>	Dec 16, 2022		

### Status Update

Road Safety in IDB loans: The strategic area of road safety supported local experts in dialoguing and defining activities with the government. Between 2020-2022, the Road Safety Group supported the design of road safety components that include audits on intervened roads, road safety training, updating manuals, and a safer school environment for children in thirteen loans in preparation: PE-L1252; PR-L1174; AR-L1339; UR-L1102; GU-L1170; AR-L1338; DR-L1170; ES-L1155; GY-L1081; ES-L1155; GY-L1081; BO-L1225; BR-L1589. The TSP and IDB PPP Unit have analyzed incentive mechanisms to improve road safety in the road concession in the state of Minas Gerais, using the iRAP methodology as a metric. Applying iRAP methodology: In 2020, IDB has supported iRAP analysis (road safety assessments) in the Pacific Corridor in Mesoamerica (2,622 km) comparing with the results in 2010, which concluded improvements coming from IDB loans and government programs. From 2020-2022, IDB has analyzed more than 36,000 kms of roads in Brazil, Ecuador, Dominican Republic, and Colombia (the last one jointly with the World Bank). Capacity-Building: From 2020-2022, this TC supported capacity-building to around 260 people under the Road Safety Course in Spanish, more than 150 people under the three mini-

courses on Road Safety on the Caribbean (majority from Trinidad and Tobago), 124 engineers and road safety specialists on road safety audits in Paraguay. The IDB also launched, under this TC, the Road Safety Audit and Inspection Guide in English, which will be a model for similar guides in Caribbean countries. This TC supported the technical review of the road safety audit guides for the Dominican Republic, Costa Rica and the technical guide for the construction of rural roads in Peru. Movernos Seguros Program: This TC finances the Movernos Seguros - laDB and FIA program - aiming to improve vehicle insurance policies in the Latin American region. This includes reviewing: draft laws for motor insurance policies aligned with international practices in Paraguay, El Salvador and Costa Rica; studies to define the technical price of motor insurance in Paraguay, and El Salvador; consensus-building workshops, with private and public stakeholders, with more than 50 participants in Honduras, Jamaica, and Peru. laDB and FIA organized a workshop about healthcare scales – a mechanism to define fair prices of compensation and reparation to hospitals and families due to a road crash, with the participation of 55 people from Ministries of Health, and Transport, and insurance companies of 8 countries in the region. Vehicle safety inspections. This TC has supported financing the design of policy suggestions for a vehicle inspection system to improve road safety in Honduras, Guatemala, and El Salvador, in a partnership with the International Motor Vehicle Inspection Committee (CITA). In the Dominican Republic, the Transport Division and Public-Private Partnership Unit are providing technical support to analyze a proposal for a concession for vehicle inspection system in the country. Road Safety Plans. This TC gave technical support to review the road safety strategies – important documents that define countries main priorities in the matter to meet the United Nations goals for Road Safety – in Ecuador, Paraguay and the Dominican Republic. Motorcycle Safety. This TC supported an important study about Policy analysis and recommendation regarding motorcycles in Latin America and the Caribbean. This Monograph aims to promote policy dialogue to improve motorcycle users safety in the region, by examining best practices across the board and outlining policy recommendations for Latin American and Caribbean countries. It seeks to update motorcycles challenges in the region: current regulatory state and good practices of licensing, motorcycle infrastructure, policy planning, mandatory insurance, reflective devices, vehicle safety and speed management. Link: <https://publications.iadb.org/en/the-motorcycle-in-latin-america-current-and-good-practices-recommended-for-the-care-of-its-driver> Driver's license system in the Dominican Republic. This TC supported the review of the Regulation No. 006-2020 "That regulates the School Roads or Safe Routes of the National Territory", and the Guide for the Evaluation and Implementation of Safe Roads, which was approved by the government (<https://intranet.gob.do/index.php/noticias/item/633>). Also, this TC supported the technical review of the new regulations made in the country for the implementation of the driver's license point system. Vision Zero Challenge, launched in 2020 by the World Resources Institute (WRI) with the support of the IDB, for 25 cities in LAC. Due to the pandemic launched a series of webinars on urban safety for participating cities. Three cities were selected to receive technical support in the preparation of their Road Safety Plans: Belo Horizonte, Buenos Aires and Mérida. The IDB supports discussions at technical groups and collaborate with the review of the drafts about the speed management plans prepared by the cities. Speed management: In El Salvador, technical advice was provided for the implementation of the Calmed Traffic Zones Program for the San Salvador Metropolitan Area. The report, jointly produced by the laDB and the World Resources Institute (WRI), provided recommendations to improve road safety in busy intersections in the capital. Side event at the ITF Safer Cities Network in Guadalajara, Mexico. This event supported the Government of Mexico in exchanging experiences about funding urban mobility and road safety policies. There was also an open discussion to talk about barriers faced by local governments and, other financial challenges and opportunities, that countries in Latin America have identified to achieve a transformation in mobility that meets sustainable, safe, and inclusive standards.

**Advance in the Achievement of Outcome and Outputs**

**Advance in the Achievement of Outcome**

**1 . To contribute to the reduction of traffic fatalities in LAC countries, in accordance with the Sustainable Development Goals (SDG)**

The TC objective is to have an IDB road safety component in all IDB projects. For this, the strategic area of road safety has supported local experts in the dialogue and definition of activities with the government. Two programs were approved by the IDB with solid road safety components that include audits on intervened roads, road safety training, updating manuals, and a safer school environment for children (PE-L1252: Road Infrastructure Program for Regional Competitiveness; PR-L1174: National Route No. 12 Rehabilitation and Maintenance Project, Chaco'i, Gral. Hrugyez and accesses). The strategic area of Road Safety is providing technical assistance to teams with road safety components for projects in Guatemala, Argentina, the Dominican Republic and Brazil.

Advances in Execution
1. Safer transport infrastructure
Component Cost: \$115,000

Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
1.1 Road safety inspection pilots using iRAP methodology	INF	km	0	2020	Implementation final reports	Sustainable Infrastructure	Physical			
							2020	1000	1000	2622
							2021	4000	7500	11614
							2022		22000	22000
							EOP 2022	5000	36236	36236
							Financial			
							2020	10000	10000	10000
							2021	10500	10500	8000
							2022		2500	2500
							EOP 2022	20500	20500	20500

**Advances In Execution:** The iRAP star rating is a road safety assessment methodology. The objective is to measure the level of safety of highways applying 50 safety attributes that affect the the risks for, occupants, motorcycles, bicycles and pedestrians. One-star roads are the riskiest while 5 stars present lesser risks. This assessment allows to generate investment plans that indicate the necessary measures to improve road safety. The Action Plan for the New Decade of the United Nations (2021-2030), established as a target that 75% of trips are on 3-star roads, which is the minimum for a safe road. This methodology was applied in the Dominican Republic and Ecuador, where there was an interest in measuring the level of safety of some of the important corridors, for future investment. In the case of Brazil, we are working jointly with iRAP and an artificial intelligence software that allows to measure the level of safety using iRAP attributes, reducing coding costs and analysis completion time. The pilot was applied on 10,000 km of Brazilian highways. The goal was exceeded once the artificial intelligence group of TSP/INE decided to co-finance the activities to carry out the iRAP analysis with this new software, which allowed the inclusion of more kilometers that were not initially planned. In 2022, laDB, with the help of this CT and other funding, implement the iRAP analysis of roads in Colombia (20,000 km) - in collaboration with the World Bank – and the state of Ceará in Brazil (2,000 km). Part of the 2,000 km analyzed in Ceará will be used as a parameter for the improvement of roads of the BR-L1589 operation, approved in 2022.

Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
1.2 * Individuals Trained	Funcionarios públicos entrenados en diseño seguro de carreteras (INF)	Individuals (#)	0	2020	Training Reports	Sustainable Infrastructure	Physical			
							2020	10	10	60
							2021	20	10	145
							2022		50	60
							EOP 2022	30	255	265
							Financial			
							2020	10000	10000	17072
							2021	55000	47928	30000
							2022		17928	12275.46
							EOP 2022	65000	65000	59347.46

**Advances In Execution:** i. The "Road Safety in the Caribbean Region: Safe Infrastructure" is a MOOC course financed under this TC, which aims to raise the awareness regarding road safety of public officials of the Caribbean countries. The course focuses on safe infrastructure. This course, in its first edition, has certified 21 officials from Caribbean countries, most of them from Trinidad & Tobago. ii. Improving Safety on Highways in Paraguay. The design and construction of safe infrastructure leads tothe reduction of road accidents. The main objective of this course (15 lecture hours, from March 8 to April 5, 2021) was to strengthen the technical knowledge of Paraguayan professionals regarding road safety audits. The course was developed in 5 sessions: a. Introduction. b. Theoretical principles of the application of the ASV. c. Guide for the application of the ASV. d. Practical examples of ASV (highways and urban roads), and e. Models of terms of reference for the hiring of ASV in the countries of Latin America and the Caribbean. During these modules, attendees expanded their knowledge of road safety concepts for the geometric design of highways, road safety administration and management systems, side zones and safety barriers, road signs, and analysis and investigation of traffic accidents. The course was addressed to civil engineers and architects from the public and private sectors who work in the areas of planning, design, construction, supervision and maintenance of road works. 2022: In the MOOC of Safe Infrastructure for the Caribbean, 69 professionals have successfully concluded.

Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
1.3 Road projects financed that included a road safety audit during the design phase	INF	projects	0	2020	Implementation final reports	Sustainable Infrastructure	Physical			
							2020	2	2	2
							2021	3	4	5
							2022		4	4
							EOP 2022	5	11	11
							Financial			
							2020	10000	10000	10000
							2021	19500	19500	15000
							2022		4500	4500
							EOP 2022	29500	29500	29500

2. Legislation and Public Policy for safe mobility

Component Cost: \$160,000

Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
2.1 * Pilot interventions implemented	Pilot project for adoption of safe vehicle regulations based in WP.29 standards (INF)	Pilots (#)	0	2020	Implementation final reports	Sustainable Infrastructure	Physical			
							2020	1	1	0
							2021	2	2	2
							2022		2	3
							EOP 2022	3	4	5
							Financial			
							2020	20000	20000	0
							2021	25000	45000	20000
							2022		25000	25000
							EOP 2022	45000	45000	45000

**Advances In Execution:** This TC finances the Movernos Seguros Program, which is an IaDB and FIA (International Automobile Federation) program aiming to improve vehicle insurance policies in the Latin American region. Countries like El Salvador, Honduras and Paraguay, for example, do not have a policy that requires vehicle insurance. Other countries, like Costa Rica, Jamaica, and Peru want to improve their policies. In Paraguay, the draft law, prepared with the support of the Program and the country's stakeholders, is on hold, after discussion in the Congress, because of the social unrest in the country in 2022. The actuarial study, which defines the technical price of insurance premiums and is an essential document for discussion in congress, is being concluded. In El Salvador, the draft law prepared jointly by the Program and the government – that will create the compulsory motor insurance - is about to be cleared by Presidency and go to the Congress. The Movernos Seguros Program implemented an economic study that defines the income and expenses of the Country Victims Fund (FONAT), which will act as a road safety agency, and the actuarial studies, to define the technical price for the insurance. Currently, the Program is helping the government to prepare the potential regulations needed when the law is enacted. Finally, in Costa Rica, after the workshops with the main stakeholders, the working group have finished the draft laws to be sent to the Congress.

Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
2.2 * Policies implemented	Vehicle insurance market changes for safer mobility (INF)	Policies (#)	0	2020	Implementation final reports	Sustainable Infrastructure	Physical			
							2020	1	1	1
							2021	2	3	4
							2022		3	4
							EOP 2022	3	8	9
							Financial			
							2020	20000	20000	23679
							2021	20000	16321	10000
							2022		6321	6321
							EOP 2022	40000	40000	40000

**Advances In Execution:** 2020 (goal: 1): Total: 1. -School Pathways Policy of the Dominican Republic, by Regulatory No. 006-2020 "That regulates the School Roads or Safe Routes of the National Territory". A Guide for the Evaluation and Implementation of Safe Roads was prepared and approved (<https://intranet.gob.do/index.php/noticias/item/633>) 2021 (goal: 2) Total: 4 -Design of policy suggestions for a vehicle inspection system by CITA in Guatemala (1), Honduras and El Salvador (1) (in process), -Study and recommendation of policies for motorcycles in Latin America and the Caribbean (completed 1), -Road Safety Plans (Dominican Republic - Adopted). Vehicle Inspection Systems Assessment (AVIS) studies: Its objective was to review current practices in vehicle inspection regimes in Guatemala (completed), Honduras, and El Salvador (in process). Also, the AVIS studies aimed to provide context-specific recommendations for each of the regimes in order to improve how these inspection programs contribute to the overall country capacity to manage the motorization process, to improve road safety performance and other policy objectives. Lastly, the studies aimed to recommend an comprehensive capacity-building program to implement the recommendations. Policy analysis and recommendation regarding motorcycles in Latin America and the Caribbean: This Monograph aims to promote policy dialogue to improve motorcycle users safety in the region, by examining best practices across the board and outlining policy recommendations for Latin American and Caribbean countries. It seeks to update motorcycles challenges in the region: current regulatory state and good practices of licensing, motorcycle infrastructure, policy planning, mandatory insurance, reflective devices, vehicle safety and speed management. Link: <https://publications.iadb.org/en/the-motorcycle-in-latin-america-current-and-good-practices-recommended-for-the-care-of-its> Dominican Republic Road Safety Plan: The National Strategic Plan for Road Safety provides the framework of action and is the instrument by which the country will promote and coordinate road safety national initiatives from political, economic and social sectors the achievement of common objectives and the achievement of the goal of the new Decade of Action for road safety. For 2022 (goal: 3) Design and analysis of the vehicle Technical Inspection proposal in RD, for a PPP. Review of driver’s license system for Dominican Republic.



Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
2.3 * Virtual platforms designed	Virtual platform for validation of vehicle safety certificates (INF)	Platforms (#)	0	2020	Implementation final reports	Sustainable Infrastructure	Physical			
							2020	1	1	0
							2021	0	1	0
							2022		1	1
							EOP 2022	1	1	1
							Financial			
							2020	15000	15000	0
							2021	20000	35000	0
							2022		35000	10000
							EOP 2022	35000	35000	10000

**Advances In Execution:** The Colombian government does not consider this activity a priority, thus was suspended.    The program ViaSegura has launched the codes in laDB plataform, for the free use of all.  
<https://github.com/EL-BID/VIAsegura>

Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
2.4 * Individuals Trained	Public servants trained in vehicle safety standards (INF)	Individuals (#)	0	2020	Training Reports	Sustainable Infrastructure	Physical			
							2020	0	0	0
							2021	20	20	17
							2022		50	149
							EOP 2022	20	67	166
							Financial			
							2020	0	0	0
							2021	40000	40000	20000
							2022		20000	20000
							EOP 2022	40000	40000	40000

**Advances In Execution:** 2021: Goal 20: Completed 17    -Road Safety in the Caribbean Region: Institutions and data management: 17    The course "Road Safety in the Caribbean Region: Institutions and data management" is one of the 3 MOOC courses that aims to raise awareness among public officials in Caribbean countries regarding road safety. The course    focused on institutional management. This course certified 17 public officials from the

Caribbean countries. 2022: Goal (50) Motor Insurance Workshop in Honduras: 19 Motor Insurance Workshop in Peru: 20 Motor Insurance Workshop in Jamaica: 14 Healthcare scales Workshop: 55 Road Safety in the Caribbean Region: Institutions and data management: 31 students finished the course, 10 got certificates.

3. Safe urban mobility

Component Cost: \$150,000

Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
3.1 <sup>s</sup> Pilot interventions implemented	Vision Zero pilot project designed and implemented (INF)	Pilots (#)	0	2020	Implementation final reports	Sustainable Infrastructure	Physical			
							2020	5	5	0
							2021	18	3	0.5
							2022		1.5	1.5
							EOP 2022	23	2	2
							Financial			
							2020	25000	25000	0
							2021	85000	110000	62560.64
							2022		47439.36	26422.41
							EOP 2022	110000	110000	88983.05

**Advances In Execution:** 2020: Vision Zero Challenge: The Vision Zero Challenge was launched in 2020 by the World Resources Institute (WRI) with the support of the IDB, for 25 cities in Latin America and the Caribbean. Due to the pandemic, the program decided, instead of face-to-face training, to launch a series of webinars on urban safety for participating cities. 2021: During this year, 3 cities were selected to receive technical support in the preparation of their Road Safety Plans: Belo Horizonte, Buenos Aires and Mérida. The IDB's participation took place through discussions at technical groups and through collaborating with the review of documents and by sending comments to the drafts of the speed management plans prepared by the cities. Speed management: In El Salvador, technical advice was provided for the implementation of the Calmed Traffic Zones Program for the San Salvador Metropolitan Area. 2022: Cities in southern Mexico have different mobility patterns compared to other Mexican cities. Therefore, the National Government requested support to finance a study to identify the prevalence of helmet use by motorcyclists in Tuxtla Gutierrez, Chiapas, to recollect and analyze data on the current situation to propose road safety policies according to their context

Output Indicator	Indicator Detail	Unit Of Measure	Baseline	Baseline Year	Means Of Verification	Theme	Year	P	P(A)	A
3.2 <sup>s</sup> Individuals Trained	Public servants trained in Vision Zero approach (INF)	Individuals (#)	0	2020	Training Reports	Sustainable Infrastructure	Physical			
							2020	10	10	217
							2021	50	160	111
							2022		50	95
							EOP 2022	60	378	423
							Financial			
							2020	5000	5000	0
							2021	35000	40000	35720.66
							2022		4279.34	4279.34
							EOP 2022	40000	40000	40000

**Advances In Execution:** With the support of this TC, the V edition of the Massive Road Safety Course (MOOC) was implemented, which certified 262 students. This Road Safety MOOC opens annually aiming at training officials, students and other stakeholders from the Latin American region (Spanish-speaking) in road safety. The Mini-course (MOOC) on Safe Urban Mobility in the Caribbean (<https://www.mooc-list.com/course/road-safety-caribbean-region-safe-urban-mobility-edx>) counted with the participation of more than 50 people in both editions (5th and 6th), and certified 30 people from the region. 2022: With the support of this TC, a side event at the ITF Safer Cities Network was held in Guadalajara, Mexico. The objective was to support the Government of Mexico in having a discussion and exchange of experiences on the relevance of funding or financing urban mobility and road safety policies and projects by presenting experiences that have been implemented in the Region and worldwide, where some, have been financially supported by National Governments. Also, there was an open discussion to talk about barriers faced by local governments and, other financial challenges and opportunities, that countries in Latin America have identified to achieve a transformation in mobility that meets sustainable, safe, and inclusive standards.

