



Improving Mobility and Urban Inclusion in the Amazonas Corridor in Belo Horizonte (P169134)

LATIN AMERICA AND CARIBBEAN | Brazil | IBRD/IDA | Investment Project Financing (IPF) | FY 2020 | Seq No: 9 | Archived on 03-Sep-2024 | ISR01180

Implementing Agencies: BHTRANS, SMOBI, SMPU, URBEL

1. OBJECTIVE**1.1 Development Objective**

Original Development Objective (Approved as part of Approval package on 15-Jun-2020)

The Project Development Objectives (PDO) are to improve: (i) the quality of service and accessibility to opportunities for public transport users in the area of influence of the Amazonas Express; and (ii) the urban living conditions of the poor in selected precarious settlements.

Has the Development Objective been changed since Board Approval of the Project Objective?

No

2. COMPONENTS

Name

Component 1: Implementation of the Amazonas Express:(Cost 43,730,000.00)

Component 2: Urban upgrading of Vila Cabana do Pai Tomás:(Cost 47,850,000.00)

Component 3: Strategic Planning for Urban Mobility and Upgrading of Informal Settlements:(Cost 5,650,000.00)

Component 4: Project Management and Institutional Strengthening:(Cost 2,770,000.00)

3. OVERALL RATINGS

Name	Previous	Current
Progress towards achievement of PDO	● Moderately Unsatisfactory	● Moderately Unsatisfactory
Overall Implementation Progress (IP)	● Satisfactory	● Satisfactory
Overall Risk Rating	● Substantial	● Substantial



4. KEY ISSUES & STATUS

4.1 Implementation Status and Key Decisions

Despite the delays in completing the issuance of a National Sovereign Guarantee to the loan, the Borrower has worked towards advancing implementation to the extent possible before loan effectiveness. The Project was signed on September 14, 2022, and became effective on January 6, 2023. The contract for the engineering studies and designs for the implementation of the Amazonas Express public transport corridor component has been awarded. Social works and demolitions have started in Cabana. Procurement processes for the Cabana Urban upgrading are underway. During the Mid-Term Review Mission in June, an action plan was discussed to make up for the initial delay.

5. SYSTEMATIC OPERATIONS RISK-RATING TOOL

Risk Category	Rating at Approval Approval Package - 16 Jun 2020	Last Approved Rating ISR Seq. 08 - 20 Jun 2024	Proposed Rating
Political and Governance	● Moderate	● Moderate	● Moderate
Macroeconomic	● Moderate	● Moderate	● Moderate
Sector Strategies and Policies	● Low	● Low	● Low
Technical Design of Project or Program	● Substantial	● Moderate	● Moderate
Institutional Capacity for Implementation and Sustainability	● Moderate	● Moderate	● Moderate
Fiduciary	● Moderate	● Moderate	● Low
Environment and Social	● Substantial	● Substantial	● Substantial
Stakeholders	● Substantial	● Moderate	● Moderate
Overall	● Substantial	● Substantial	● Substantial



6. RESULTS

6.1 PDO Indicators by PDO Outcomes

Improved quality of service for public transport users in the area of influence of Amazonas Express								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
Average commercial speed of bus service in the Amazonas Avenue at peak hour (km/h) (Text)	13	Oct/2019	-	22-Jun-2022			20	Oct/2026
	Comments on achieving targets		This indicator measures the average gain in the bus speed after the implementation of the Amazonas Express in the Amazonas Avenue (approximately a 8km section of the Amazonas Express that links the city center to Barreiro Region) at peak hour.					
GHG emissions in Amazonas Express (ton) (Number)	1,448,890.00	Oct/2019	1,448,890.00	31-Oct-2019			1,388,047.00	Oct/2026
	Comments on achieving targets		The actual values will be measured at the end of the project after completing all the infrastructure investments under Component 1.					
Beneficiaries satisfied with the quality of public transport service in the Amazonas Express (coverage, reliability, safety, personal security), differentiated by income and sex (Percentage)	26.00	Oct/2019	26.00	31-Oct-2019			60.00	Oct/2026
	Comments on achieving targets		This indicator measures the degree of satisfaction of users of public transport with the transport provided in the Amazonas Express, including coverage, reliability, safety, personal security differentiated by income and sex.					
Women beneficiaries satisfied with the quality of public transport service in the Amazonas Express	30.00	Oct/2019	30.00	31-Oct-2019			60.00	Oct/2026
	Comments on achieving targets		Same as parent indicator.					



extension (coverage, reliability, safety, personal security) (Percentage)								
Low-income beneficiaries satisfied with the quality of public transport service in the Amazonas Express extension (coverage, reliability, safety, personal security) (Percentage)	30.00	Oct/2019	30.00	31-Oct-2019			60.00	Oct/2026
	Comments on achieving targets		Same as parent indicator. Low-income beneficiaries are the users of public transport services with a maximum revenue of 2 minimum wages.					
Improved accessibility to opportunities for transit users in the Amazonas Express' area of influence								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
Job opportunities accessible within 60 minutes in the area of influence of the Amazonas Express (Number)	371,332.00	Oct/2019	371,332.00	31-Oct-2019	371,332.00	31-Oct-2019	436,042.00	Oct/2026
	Comments on achieving targets		The actual values will be calculated after constructing the Amazonas Express, building stations, bus stops, side walks, road safety interventions (intermediate outcome indicators).					
Job opportunities accessible within 60 minutes in for residents of Cabana (Number)	376,108.00	Oct/2019	376,108.00	31-Oct-2019			498,494.00	Oct/2026
	Comments on achieving targets		Same as parent indicator					
Jobs accessible within 60 minutes for residents of Jatobá (Number)	50,099.00	Oct/2019	50,099.00	31-Oct-2019			75,472.00	Oct/2026
	Comments on achieving targets		Same as parent indicator.					
	225,665.00	Oct/2019	225,665.00	31-Oct-2019			299,096.00	Oct/2026



Weighted accessibility to job opportunities within 60 minutes for women from Cabana in relation to men's (Number)	Comments on achieving targets		Same as parent indicator.					
Weighted accessibility to job opportunities within 60 minutes for women from Jatobá in relation to men's (Number)	37,574.00	Oct/2019	37,574.00	31-Oct-2019			56,604.00	Oct/2026
	Comments on achieving targets		Same as parent indicator.					
Improved urban living conditions of the poor in selected precarious settlements								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
People provided with improved urban living conditions (Number)	0.00	Oct/2019	0.00	14-Sep-2021			20,000.00	Oct/2026
	Comments on achieving targets		The actual values will be reported after civil works begin (Q1 2024) and deliver improved living conditions.					
People provided with improved urban living conditions - Female (RMS requirement) (Number)			0.00		0.00			
Beneficiaries reporting satisfaction with key aspects of citizen engagement process in Jatobá Region (Text)	To be determined	Oct/2019	To be determined	14-Sep-2021			To be determined	Oct/2026
	Comments on achieving targets		The project became effective in January 2023. The tasks to be carried out in Jatobá (Urban development) are in the final phase of hiring, and the satisfaction surveys can only be conducted when the actual work there begins (January 2024).					



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6.2 Intermediate Results Indicators by Components

Component 1: Implementation of the Amazonas Express								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
People benefiting from improved access to sustainable transport infrastructure and services (Number of people) CRI								
People benefiting from improved access to sustainable transport infrastructure and services – Youth (Number of people) CRI			0	30-Jun-2024	0	30-Jun-2024		
People benefiting from improved access to sustainable transport infrastructure and services – Female (Number of people) CRI								
	0.00	Nov/2019	0.00	28-Nov-2019			100.00	Oct/2026



Detailed designs for 42.3 km of the Amazonas Express, including bike lanes (Percentage)	Comments on achieving targets		This indicator measures the progress in the preparation of detailed designs for road rehabilitation of the 42.3 km Amazonas Express extension.					
Roads rehabilitated (Kilometers)	0.00	Oct/2019	0.00	31-Oct-2019			26.20	Oct/2026
Roads rehabilitated - non-rural (Kilometers)			0.00					
Physical progress in constructing the Amazonas Express (Percentage)	0.00	Oct/2019	0.00	31-Oct-2019	0.00	31-Oct-2019	100.00	Oct/2026
	Comments on achieving targets		This indicator measures the physical progress in constructing 26.2 km of bus exclusive right-lanes in the Amazonas Express.					
Stations built with preboarding payment area in the 26.2 km section of the Amazonas Express (Number)	0.00	Oct/2019	0.00	31-Oct-2019			3.00	Jun/2025
	Comments on achieving targets		This indicator measures the physical progress in constructing 3 stations with deboard payment in the 26.2 km section of the Amazonas Express.					
Bus stops built or renovated in the 26.2 km section of the Amazonas Express, including the provision of access for people with disabilities (Percentage)	0.00	Oct/2019	0.00	31-Oct-2019			100.00	Oct/2026
	Comments on achieving targets		This indicator measures the percentage of the 173 stop points adapted according to project descriptions (height compatibility between track and sidewalk, shelter installation, lighting, and including improvements for people with disabilities, including also blind passengers and passengers with cognitive issues) in the 26.2 km section of the Amazonas Express.					
Rehabilitation of sidewalks in the 26.2 km section of the Amazonas Express (Percentage)	0.00	Oct/2019	0.00	31-Oct-2019			100.00	Jun/2025
	Comments on achieving targets		This indicator measures the percentage of the physical progress in rehabilitating 19.700 m2 of sidewalks in the 26.2 km section of the Amazonas Express.					
Acquisition of traffic lights and monitoring cameras for the targeted Amazonas	0.00	Oct/2019	0.00	31-Oct-2019			100.00	Oct/2026
	Comments on achieving targets		This indicator measures the percentage of equipment purchased for the 26.2 km stretch of the Amazonas Express.					



Express section (Percentage)								
People killed and severely injured in road accidents in Amazonas Avenue (Number)	57.00	Oct/2019	57.00	31-Oct-2019			25.00	Oct/2026
	Comments on achieving targets		This indicator measures the number of people killed and severely injured in accidents in the Amazonas Avenue, allowing to verify the success or not of safety measures adopted in the project.					
Reduction in total time spent by women in their daily commute (Minutes)	8,890,229.00	Oct/2019	8,890,229.00	31-Oct-2019			6,771,527.00	Oct/2026
	Comments on achieving targets		This indicator measures the reduction in the total time spent by women who are users of the Amazon Express in their daily commute after the interventions are completed.					
Percentage of women employed in the Amazonas Express civil works (Percentage)	3.00	Oct/2019	3.00	31-Oct-2019			10.00	Oct/2026
	Comments on achieving targets		This indicator measures the percentage of women in the Amazonas Express civil works.					
Component 2: Urban upgrading of Vila Cabana do Pai Tomás								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
Extension of water supply network replaced and / or supplemented in Vila Cabana Pai Tomás (Meter(m))	0.00	Oct/2019	0.00	31-Oct-2019			2,500.00	Oct/2026
	Comments on achieving targets		This indicator measures the physical progress of the extension of the water supply network replaced and / or supplemented in Cabana do Pai Tomás. This extension will benefit the 7,280 people living in the direct influence area of the project, where interventionstake place.					
Sewerage replaced and / or supplemented in Vila Cabana Pai Tomás (Meter(m))	0.00	Oct/2019	0.00	31-Oct-2019			2,500.00	Oct/2026
	Comments on achieving targets		This indicator measures the physical progress of the extension of the sewerage replaced and / or supplemented in Cabana do Pai Tomás. This extension will benefit the 7,280 people living in the direct influence area of the project, where interventions take place.					
Pedestrian roads implanted and / or improved in Vila Cabana Pai Tomás (Meter(m))	0.00	Oct/2019	0.00	31-Oct-2019			950.00	Oct/2026
	Comments on achieving targets		This indicator measures the physical progress of the lenght of implanted and / or improved Pedestrian roads in Cabana do Pai Tomás.					



Vehicular roads, including sidewalks, implanted and / or improved in Vila Cabana do Pai Tomás (Meter(m))	0.00	Oct/2019	0.00	31-Oct-2019	0.00	31-Oct-2019	1,500.00	Oct/2026
	Comments on achieving targets		This indicator measures the physical progress of the length of implanted and / or improved vehicular roads in Cabana do Pai Tomás.					
Area with absence and / or impairment of drainage network recovered in Vila Cabana Pai Tomás (Square Meter(m2))	0.00	Oct/2019	0.00	31-Oct-2019			22,500.00	Oct/2026
	Comments on achieving targets		This indicator measures the area benefited by the recovery of the drainage system, currently compromised or absent, in Cabana do Pai Tomás.					
People that benefited from the mitigation of geological and geotechnical risks in selected areas in Vila Cabana do Pai Tomás (Number)	0.00	Oct/2019	0.00	31-Oct-2019			252.00	Oct/2026
	Comments on achieving targets		Construction works in Cabana will require involuntary resettlement, affecting partially and/or completely up to 308 families. Some of these families (including 252 people – the target for this indicator) will benefit from the Project initiatives (either works or resettlement) aimed at addressing at-risk geological and geotechnical situations. Namely, inside the favela there are hilly/sloppy areas, and there are homes built in these areas, therefore with the risk of landslide. Works within the favela will address these risks. They may involve: (i) situations in which there is no solution, and people need to be relocated; and (ii) cases where engineering (slope contention) solutions could fix the issue without the need of the families to leave their homes.					
Percentage of women employed in Vila Cabana do Pai Tomás housing construction works (Percentage)	4.00	Oct/2019	4.00	31-Oct-2019			10.00	Oct/2026
	Comments on achieving targets		This indicator measures the percentage of women are employed in Cabana's housing construction works.					
Component 3: Strategic Planning for Urban Mobility and Upgrading of Informal Settlements								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
	0.00	Oct/2019	0.00	31-Oct-2019			100.00	Oct/2026



Execution of Jatobá's Strategic Plan (Percentage)	Comments on achieving targets		This indicator measures the percentage of the designing of the strategic plan for the Jatobá region. This Plan includes strategic interventions that will help to create social and climate resilience and connect the area to the Amazonas Express.					
Strategic designs for infrastructure interventions in four precarious settlements (Number)	0.00	Nov/2019	0.00	28-Nov-2019			4.00	Oct/2026
	Comments on achieving targets		This indicator measures if the designs for the sanitation system and for the paving of the main road system in Maria Tereza, Novo Lajedo, Montes Claros and Jardim Getsêmani are complete.					
Urban Mobility Strategic Studies (Number)	0.00	Nov/2019	0.00	28-Nov-2019			3.00	Oct/2026
	Comments on achieving targets		This indicator measures if the operational plans to integrate Salgado Filho and Nova Suíça stations with the Amazonas Express are complete.					
Studies to provide on demand bus service at night through apps (Yes/No)	No	Oct/2019	No	31-Oct-2019			Yes	Oct/2026
	Comments on achieving targets		This indicator measures whether studies for the implementation of a smartphone application to serve public transport users at night in the regions of Diamante and Barreiro Stations have been completed.					
Studies for implementing technological innovations in the Origin-Destination Study (Yes/No)	No	Oct/2019	No	31-Oct-2019			Yes	Oct/2026
	Comments on achieving targets		This indicator measures whether studies for implementing technological innovations in the Origin-Destination Study, including travel data, adequacy of the database, definition of methodology and a pilot test, have been completed.					
Component 4: Project Management and Institutional Strengthening								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
Response Protocol to address cases of sexual harassment is revised (Yes/No)	No	Oct/2019	No	31-Oct-2019			Yes	Oct/2026
	Comments on achieving targets		The project will finance development and implementation of a Gender Action Plan (GAP) for BHTrans with concrete actions to address women's mobility barriers in the bus system. Activities of the GAP will include the review of a Response Protocol for Cases of Sexual Harassment and the enhancement of the reporting mechanism for BHTrans to ensure a survivor center approach and to define a clear linkage with the services aimed to support cases of violence against women and girls.					

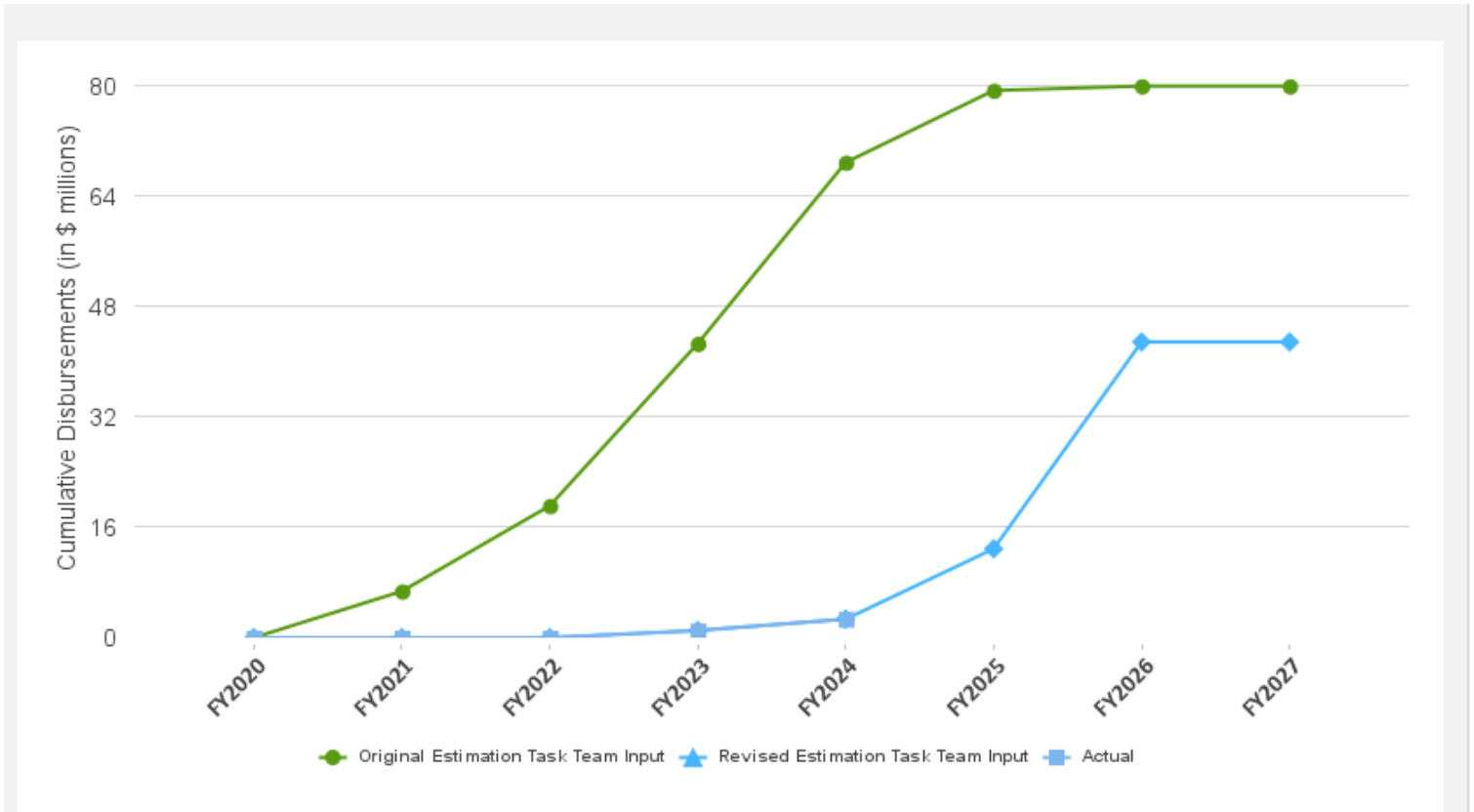


Grievances related to the project recorded in the GRM system that are processed and communicated back to the concerned stakeholder within twenty business days (Percentage)	0.00	Oct/2020	0.00	30-Oct-2020		80.00	Oct/2026
Comments on achieving targets	It measures the number of grievances related to the Project recorded in the GRM system that are processed and communicated back to the concerned stakeholder within twenty business days						



7. DATA ON FINANCIAL PERFORMANCE

7.1 Cumulative Disbursements



7.2 Disbursements (by loan)

Loan/Credit/TF	Status	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
IBRD-90690	Effective	80.00	80.00	0.00	2.69	77.31	3.36%

7.3 Key Dates (by loan)

Loan/Credit/TF	Status	Approval	Signing	Effectiveness	Orig. Closing	Rev. Closing
IBRD-90690	Effective	24-Mar-2020	14-Sep-2022	06-Jan-2023	31-Oct-2026	31-Oct-2026

8. KEY DATES



Key Events	Planned	Actual
Approval	24-Mar-2020	24-Mar-2020
Effectiveness	06-Jan-2023	06-Jan-2023
Mid-Term Review No. 01	17-Jun-2024	17-Jun-2024
Operation Closing/Cancellation	31-Oct-2026	

9. RESTRUCTURING HISTORY

10. ASSOCIATED OPERATION(S)

There are no associated operations