



Operation Number: **BL-L1019**  
Year- PMR Cycle: **First period Jan-Jun 2015**  
Last Update: **1/20/2016**  
PMR Validation Stage: **Draft**

Chief of Operations validation date: **10/07/2015**  
Division Chief validation date: **10/28/2015**  
Country Representative validation date: **11/04/2015**

Inter-American Development Bank - IDB  
Office of Strategic Planning and Development Effectiveness

## Operation Profile

### Basic Data

Operation name:	George Price Highway Rehabilitation	Loan Number:	3344/OC-BL
Executing Agency (EA):	MINISTRY OF WORKS AND TRNSPORTATION		
Team Leader:	Deambrosi,Sergio Luis	Sector/Subsector:	MAJOR HIGHWAYS
Operation Type:	Loan Operation	Overall Stage:	Disbursing (From eligibility until all the loans are closed).
Lending Instrument:	Investment Loan	Country:	BELIZE
Borrower:	BELIZE	Convergence related Operation(s):	

### Total Cost and Source

	Original IDB	Current Active IDB	Local Counterpart	Co-Financing/Country	Total operation cost - Original Estimate
BL-L1019	\$27,000,000.00	\$27,000,000.00	\$1,528,000.00	\$0.00	\$28,528,000.00

### Available Funds (US\$)

	Current IDB	Disb. Amount to Date	% Disbursed	Undisbursed Balance
BL-L1019	\$27,000,000.00	\$0.00	0.00%	\$27,000,000.00

### Environmental and Social Safeguards

Main Operation	
Impacts Category:	B
Safeguard Performance Rating:	
Safeguard Performance Rating - Rationale:	

### Reformulation Information

Main Operation	
Was/Were the objective(s) of this operation reformulated?	NO
Date of approval:	

## Results Matrix

### Impacts

Impact:	0 Increased quality of roads						
Observation:	The index varies from 1-7 (poor - excellent. The goal was estimated by comparison with the index for the Bank's D countries within the region						
Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP

0.0 Belize's Quality of roads		index	3.00	2012	The Global Competitiveness Report - World Economic Forum	The index varies from 1-7 (poor-excellent). The goal was estimated by comparison with the index for the Bank's D countries within the region.	P	3.20
	P(a)							
	A							

RF - RF Indicator   SI - Sector Indicator   CI - Country Indicator   PG - Pro-Gender   PE - Pro-Ethnicity

## Outcomes

Outcome:	0 Decrease the Vehicle Operating Cost (VOC)								
Observation:	Hwy development & management 4 (HDM-4) will be the tool to perform this analysis. VOC is an indicator that estimates the cost of USD that the owner of vehicles pay per kilometer to operate their vehicles based on the condition of the roads								
Indicators		Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
0.0 Vehicle operating cost - GPH project section			USD/KM	3.63	2014	Ex-post economic evaluation to be carried out by the Bank during the Project Completion Report	Highway Development and management 4 (HDM-4) will be the tool to perform this analysis. VOC is an indicator that estimates the cost in USD that the owners of vehicles pay per kilometer to operate their vehicles based on the condition of the roads	P	3.41
							P(a)		
							A		
Outcome:	1 Reduction in travel time								
Observation:	Field Survey								

Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
1.0 Average travel times along the GPH project section - 01 Car, Utilities 4WD (BEL)		Minutes	23.25	2014	Ex-post economic evaluation to be carried out by the Bank during the Project Completion Report	Field Survey	P	19.94
							P(a)	
							A	
1.1 Average travel times along the GPH project section - 02 Bus 35+ passenger (BEL)		Minutes	29.93	2014	Ex-post economic evaluation to be carried out by the Bank during the Project Completion Report	Field Survey	P	28.67
							P(a)	
							A	
1.2 Average travel times along the GPH project section - 03 Truck Med (BEL)		Minutes	29.00	2014	Ex-post economic evaluation to be carried out by the Bank during the Project Completion Report	Field Survey	P	26.61
							P(a)	
							A	
1.3 Average travel times along the GPH project section - 04 Truck Heavy (BEL)		Minutes	28.37	2014	Ex-post economic evaluation to be carried out by the Bank during the Project Completion Report	Field Survey	P	26.29
							P(a)	
							A	
1.4 Average travel times along the GPH project section - 05 Motorcycle (BEL)		Minutes	22.16	2014	Ex-post economic evaluation to be carried out by the Bank during the Project Completion Report	Field Survey	P	20.62
							P(a)	
							A	
Outcome:	2 Improve the overall safety of the motorist who utilize this road segment							
Observation:	Baseline: National information is derived from the 2012 iRAP report. An assumption has been made that the number of fatalities and accidents on the project section is proportional to the relative length of the intervention corridor against the total trunk network.							

Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
							P	
2.0 Reduction in the number of accidents per year on the GPH project section: (i) Fatalities		No.	5.10	2014	Official report from the Ministry of Works and Transport through the Project Execution Unit	Baseline :		4.26
						National information is derived from the 2012 iRAP report. An assumption has been made that the number fatalities and accidents on the project section is proportional to the relative length of the intervention corridor against the total truck network.	P(a)	
						A		

2.1 Reduction in the number of accidents per year on the GPH project section: (ii) severely injured victims		No	51.40	2014	Official report from the Ministry of Works and Transport through the Project Execution Unit	Baseline :	P	42.64
						P(a)		
	A							
Outcome:	3 Increased accessibility							
Observation:	Project scope included the improvement of the drainage system considering the effects of climate change with design allowance for a 20 year storm for the road system and 100 year storm for the Roaring Creek Bridge.							

Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
							P	
3.0 Number of days in which the road is impassable due to a flooding event		Days p/yr	4.00	2014	Reports by the Ministry of Works and Transport	Project scope includes the improvement of the drainage system considering the effects of climate change with design allowance for a 20 year storm for the road system and 100 year storm for the Roaring Creek Bridge.	P(a)	1.00
							A	

Outcome:	4 Institutional Strengthening
Observation:	

Indicators	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification	Observations	EOP	
							P	
4.0 MOWT strengthened in Structuring of performance based contracts		# of Public off trained	0.00	2014	Reports by the Ministry of Works and Transport		P(a)	12.00
							A	
4.1 MOWT strengthened in Environmental safeguards application in accordance to IDB policies		# of Public off trained	0.00	2014	Reports by the Ministry of Works and Transport		P	20.00
							P(a)	
							A	
4.2 MOWT strengthened in AASHTO HDM-4 highway design and testing codes		# of Public off trained	0.00	2014	Reports by the Ministry of Works and Transport		P	20.00
							P(a)	
							A	

 RF - RF Indicator
  SI - Sector Indicator
  CI - Country Indicator
  PG - Pro-Gender
  PE - Pro-Ethnicity

## Outputs: Annual Physical and Financial Progress

Civil Works & Maintenance		Physical Progress			Financial Progress		
Outputs	Unit of Measure	2015		EOP	2015		EOP
Bridge constructed/rehabilitated	Sq Yds	P	0.00	2,830.00	P	0.00	3,476,000.00
		P(a)	0.00	3,478,830.00	P(a)	0.00	3,476,000.00
		A		0.00	A		0.00
Miles of a regional integration road rehabilitated to national standards (includes the following milestones)	Miles	P	0.00	19.40	P	0.00	21,694,000.00
		P(a)	0.00	21,694,019.40	P(a)	0.00	21,694,000.00
		A		0.00	A		0.00
Miles of Roads Maintained after completion of works	Miles	P	0.00	19.40	P		312,000.00
		P(a)	0.00	312,019.40	P(a)		312,000.00
		A		0.00	A		0.00
Institutional Strengthening		Physical Progress			Financial Progress		
Outputs	Unit of Measure	2015		EOP	2015		EOP
Training events in structuring of performance based contracts	No	P	0.00	12.00	P		100,000.00
		P(a)	0.00	100,012.00	P(a)		100,000.00
		A		0.00	A		0.00
Training events in environmental safeguards application in accordance to IDB policies	No	P	0.00	20.00	P		200,000.00
		P(a)	0.00	200,020.00	P(a)		200,000.00
		A		0.00	A		0.00
Training events in AASHTO HDM4 highway design and testing codes	No.	P	0.00	8.00	P		100,000.00
		P(a)	0.00	100,008.00	P(a)		100,000.00
		A		0.00	A		0.00
Engineering & Administration		Physical Progress			Financial Progress		
Outputs	Unit of Measure	2015		EOP	2015		EOP
Project Execution Unit (PEU) established and Staffed - (Project Manager/Engineer, Financial Spec, Procurement Spec, & Administrative Asst.)	No	P	1.00	4.00	P	0.00	1,747,000.00
		P(a)	1.00	1,747,004.00	P(a)	0.00	1,747,000.00
		A	1.00	1.00	A		0.00
Studies: (i) Sector; (ii) Environmental and Social; (iii) Technical; and, (iv) Engineering designs	No.	P	0.00	4.00	P	0.00	449,000.00
		P(a)	0.00	449,004.00	P(a)	0.00	449,000.00
		A		0.00	A		0.00
Monitoring & Evaluation	No.	P	0.00	1.00	P	0.00	350,000.00
		P(a)	0.00	350,001.00	P(a)	0.00	350,000.00
		A		0.00	A		0.00
Financial Audits	No.	P	0.00	5.00	P	0.00	100,000.00
		P(a)	0.00	100,005.00	P(a)	0.00	100,000.00
		A		0.00	A		0.00

Total Cost		2015	Total Cost
	P		\$28,528,000.00
	P(a)		\$28,528,000.00
	A		

## Changes to the Matrix

No information related to this operation.

Please note that the Overall Stage represents the stage of the operation at the time of this report's publication, which might not necessarily match the stage of the operation during the PMR Cycle to which the report pertains.