



Report No: RES00030

RESTRUCTURING PAPER
ON A
PROPOSED PROJECT RESTRUCTURING
OF

Benin - Stormwater Management and Urban Resilience Project

APPROVED ON 23-May-2019

TO
Government of Benin

Urban, Resilience and Land
Western And Central Africa

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ABBREVIATIONS AND ACRONYMS

ACVDT	Agency for the Living Environment and Territorial Development – <i>Agence du Cadre de Vie et du Développement Territorial</i>
AGETUR	Urban Works Executing Agency – <i>Agence d’Exécution des Travaux Urbains</i>
CCA	Climate Change Adaptation
CD	Country Director
Covid-19	Corona Virus Disease 2019
DST	Technical Services Department – <i>Direction des Services Techniques</i>
ESMP	Environmental and Social Management Plan
ESMP-c	Contractor’s Environmental and Social Management Plan
FPA	Framework Partnership Agreement
IDA	International Development Association
IEC	Information Education Communication
GoB	Government of Benin
IP	Implementation Progress
IRI	Intermediate Result Indicator
ISR	Implementation Status Report
M&E	Monitoring and Evaluation
MCVT	Ministry of the Living Environment and Transport, in charge of Sustainable Development – <i>Ministère du Cadre de Vie et des Transports, en charge du Développement urbain</i>
MS	Moderately Satisfactory
MTR	Mid-Term Review
NGO	Non Governmental Organization
O&M	Operations and Maintenance
PAP	Person Affected by the Project
PAPC	Cotonou Stormwater Management Program - <i>Programme d’Assainissement des Eaux Pluviales de Cotonou</i>
PIU	Project Implementation Unit
PDO	Project Development Objective
RAP	Resettlement Action Plan
RF	Results Framework
RP	Restructuring Paper
SGDS-GN	Waste Management and Public Hygiene Company for Grand Nokoué - <i>Société de Gestion des Déchets et de la Salubrité du Grand-Nokoué</i>
SIRAT	Road Infrastructure and Territorial Development Company – <i>Société d’Infrastructures Routières et d’Aménagement du Territoire</i>
SIRB	Benin Road Infrastructure Company – <i>Société des Infrastructures Routières du Bénin</i>



BASIC DATA

Product Information

Operation ID P167359	Operation Name Benin - Stormwater Management and Urban Resilience Project
Product/Financing Instrument Investment Project Financing (IPF)	Geographical Identifier Benin
Approval Date 23-May-2019	Current Closing Date 30-Sept-2025
Original EA Category Full Assessment (A) (PAD Approval Package-23 May 2019)	

Organizations

Borrower Republic of Benin	Responsible Agency Ministère du Cadre de Vie, SIRAT
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OPERATION STATUS

Project Development Objective (DO)

Original Development Objective

The proposed Project Development Objective is to reduce flood risks in selected areas of Cotonou and strengthen urban resilience management and capacity at the city level.

Disbursement Summary (in USD million)

Source of Funds	Net Commitment	Disbursed	Balance	% Disbursed
IBRD	--	--	--	0
IDA	100.00	51.31	48.69	51.31



Grants	--	--	--	0
Policy Waivers				
Does this restructuring trigger the need for any policy waiver(s)?				Yes
Explanation	A waiver was needed for overdue audit reports.			
Have the waiver(s) been endorsed or approved by Bank Management?				Yes
Explanation	The waiver was given by PM FM, with revised dates for the Client to submit the audit reports. Authorization to proceed with restructuring notwithstanding overdue audit reports was granted by PM FM and WFACS Manager.			



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I. PROJECT STATUS AND RATIONALE FOR RESTRUCTURING

A. Project status

1. **The Benin Stormwater Management and Urban Resilience Project (“the Project”) was approved by the Board of Executive Directors of the International Development Association (IDA) on May 23, 2019, became effective on February 3, 2020, and is expected to close on September 30, 2025.** The Project Development Objective (PDO) is “to reduce flood risks in selected areas of Cotonou and strengthen urban resilience management and capacity at the city level”. The Project has three components: (i) Stormwater drainage investment and community engagement for flood risk reduction and climate change adaptation (CCA); (ii) Strengthening urban resilience management and capacity; and (iii) Project management, monitoring and evaluation (M&E). IDA financing is EUR 89.1 million (US\$100 million equivalent) and it is part of a larger US\$400 million multi-donor Program executed by the same Project implementation unit (PIU) at *Société des Infrastructures Routières et de l’Aménagement du Territoire* (SIRAT) which is the Project Implementing Entity for the Project.¹

2. **Progress towards the Project Development Objective (PDO) was rated Satisfactory in the latest Implementation Status and Results Report (ISR).**² As of July 2024, 2 out of 4 PDO indicators are on track, the third one is achieved and the fourth one is not applicable at this stage of Project implementation. All 4 PDO indicators are expected to be achieved by the Closing date. All Project activities (in the original design) are completed, or underway or committed, which is reflected by a financial commitment rate of 64 percent. The remaining 36 percent correspond to Project cost savings, that are proposed to be used to scale up works in Project areas of intervention (cf. Section II). Table 1 below presents the status of PDO indicators as of July 2024.

Table 1: Status of PDO indicators as of July 2024

PDO #	PDO Indicators	Unit of measure	Baseline 2018	Status as of July 2024	End target 2025
Outcome 1: To reduce flood risks in selected areas of Cotonou					
PDO #1	Cotonou residents in selected areas benefiting from decreased risk of recurring flooding	number	0	126,361	168,000
PDO #2	Area of flood-prone zones under integrated flood risk management approaches	hectare	0	15 Works are completed in Y and Pa3 basins. They are ongoing in the third and last basin AAC, which alone represents 73% of the final value of this indicator.	35
Outcome 2: To strengthen urban resilience management and capacity at the city level					
PDO #3	Designated entity and/or entities have the financial and technical capacities to execute operation and maintenance (O&M) of city-wide drainage infrastructure on a regular basis	Yes/No	No	Yes The O&M performance evaluation was finalized in September 2023, with conclusions found to be acceptable to IDA (cf. IDA letter sent to the Government of Benin (GoB) dated September 13, 2023).	Yes
PDO #4	Constructed and/or rehabilitated drainage infrastructure cleaned semi-annually	Percentage	0	Not yet applicable as works are still in progress.	100

¹ At Project Approval in 2019, the Project Implementing Entity was ACVDT (*Agence du Cadre de Vie et du Développement Territorial*) as described in the Financing Agreement and the Project Agreement which specifically refer to “ACVDT or its successor”. In 2021 ACVDT was merged into SIRB (*Société des Infrastructures Routières du Bénin*) to become SIRAT. SIRAT is the successor of ACVDT.

² ISR Seq 11 archived on May 27, 2024.



3. **Implementation Progress (IP) is rated Moderately Satisfactory (MS).** The rating reflects some delays in civil works implementation and associated social safeguards measures and social facilitation activities. It also reflects the delay in submitting the request for restructuring following the Mid-term review (MTR) mission that took place in May-June 2023. More specifically: there were delays in works execution in AAc Basin, in compensation payment of Persons affected by the Project (PAP), and in community-level works and in capacity building plan implementation – which are being addressed. The request for restructuring was sent more than 5 months after the MTR mission and required another 6 months to confirm the list of additional road/drainage works to be included in the Project. To date, disbursement rate is 51.3 percent (Client Connection) and commitment rate is 64 percent. The details per component are the following:

Component 1: Stormwater drainage investment and community engagement for flood risk reduction and CCA (US\$93.8 million equivalent in the original design)

4. **Sub-component 1.1 - Construction of drainage infrastructure and related works in Cotonou’s Basin Y, Basin Pa3 and Basin AAc (US\$93.3 million equivalent in the original design) is on track with a commitment of US\$59 million equivalent (63.2 percent), and no further commitment to anticipate under the original design.** Civil works were completed in April 2024 in Basin Pa3 and Basin Y. In AAc Basin, the contractor and supervision firm were mobilized in July 2023 and civil works started in December 2023 once the Environmental and Social Management Plan proposed by the contractor (ESMP-c) was approved. They are expected to be completed in January 2025.

5. **Sub-component 1.2 – Strengthening community awareness, capacity and engagement in flood risk and CCA (US\$0.5 million in the original design) is on track with a commitment of US\$0.29 million equivalent (58.1 percent) and a further commitment of US\$0.9 million equivalent to anticipate under the original design.** A local NGO was recruited in 2022 to facilitate social dialogue with the communities and support the identification of small community infrastructure projects and Information/Education/Communication (IEC) activities to enhance flood zone management. Consultations are regularly held with local representatives and communities, engaging so far 24,909 participants among which 14,838 women. To date, 15 community-level projects were approved and are about to be implemented and 15 others are being prepared for World Bank approval.

6. **Cost savings were identified in Component 1 in the amount of US\$30.6 million equivalent,³ which the Government intends to use to maximize the impacts of the Project on local communities and urban environment through scaled-up works in Project areas of intervention.** The MTR highlighted two opportunities: (i) at the time of Project preparation, IDA financing focused on primary and secondary drainage networks and associated road infrastructure and pavement works – leaving out some street segments. These additional street segments nevertheless need to be rehabilitated/paved to have maximizethe impact on the overall urban environment of the Project areas, in terms of drainage, sanitation, beautification, traffic, living conditions; (ii) the need to increase the envelope of community-level projects based on the consultation with the communities and with the objective to ensure ownership, usefulness and sustainability of the community infrastructure.

Component 2: Strengthening urban resilience management and capacity (US\$1.75 million equivalent in the original design)

7. **Sub-component 2.1 – O&M mechanism for the drainage network (US\$0.2 million equivalent in the original design) is on track with a commitment of US\$0.08 million equivalent (41.3 percent) and no further commitment to anticipate under the original design.** The Framework Partnership Agreement between the State and the Municipality of Cotonou (FPA) as well as its operational documents consisting of the delegation contract to the *Société de Gestion des Déchets et de la Salubrité du Grand-Nokoué* (SGDS-GN) and the Multi-year Maintenance Plan 2024-2026, were developed over the first years of implementation and effective since January 2021 for the FPA and July 2021 for the operational documents. The assessment of the performance of the O&M mechanism carried out in 2022-2023 confirmed its

³ At current rate (US\$34.4 million at rate used at Appraisal)



progressive implementation and effectiveness performance, with recommendations made to ensure the sustainability of the mechanism. Commencement of works in Basin AAC was subject to the completion of this assessment, in a manner acceptable to IDA – which was granted in September 2023.

8. **Sub-component 2.2 – Data sharing platform and hydrological flood model** (US\$0.55 million equivalent in the original design) **is on track with a commitment of US\$0.52 million equivalent (94.4 percent) and a further commitment of US\$0.2 million to anticipate under the original design.** This activity was launched in March 2023 and is expected to be successfully completed by September 2024, with high involvement from Project stakeholders.

9. **Sub-component 2.3 – Capacity building plan** (US\$1 million equivalent in the original design) **is on track with a commitment of US\$0.03 million equivalent (3.2 percent) and a further commitment of US\$1.25 million to anticipate under the original design.** The capacity building plan was developed following an extensive consultative process and leading to the identification of a series of technical trainings and equipment needed, and the drafting of Terms of reference. Three training institutes were identified to deliver the training. Implementation of this activity is delayed but expected to be completed on time.

Component 3: Project management, monitoring and evaluation (US\$4.45 million equivalent in the original design)

10. **Project management was rated Satisfactory in FY22 and FY23 ISRs but downgraded to Moderately Satisfactory in FY24.** Project monitoring reports, the interim financial reports and safeguards implementation reports are all transmitted to the World Bank on time, with a detailed content reflecting sustained and multidisciplinary management of the Project. Monitoring meetings between the PIU and the World Bank task team are held regularly to cover all aspects of Project implementation (administrative/operational issues, works supervision, safeguards implementation, etc.). The downgrade to MS in Project management is due to persisting delays in PAP payments that have negatively impacted safeguards measures implementation and civil works progress in Basin Pa3 and AAC.

11. **M&E is undertaken in a rigorous manner with a regular update of the Results framework (RF).** An M&E software was developed and is being used to monitor progress on the overall Program cofinanced by 6 development partners. The M&E data were used to inform the 2023 MTR and confirm the need for RF adjustment (cf. Section II below).

B. Rationale for restructuring

12. **The proposed restructuring aims to optimize the use of financial remainders of the Project and maximize its impact in alignment with GoB's current priorities.** The civil works contracts (subcomponent 1.1) were awarded at a lower financial amount than estimates calculated at Project preparation, generating a financial gain of US\$30.6 million equivalent (at current rate). Meanwhile, (i) on the one hand, the road networks within the Project areas of intervention are not fully paved under the original Project design, and (ii) on the other hand, the budget allocated to small community infrastructure projects and IEC activities (subcomponent 2.1) turns out to be insufficient to implement the social facilitation action plans developed in consultation with the communities. No Paris Alignment assessment is needed as there is no new activities but scale-up of existing activities.

II. DESCRIPTION OF PROPOSED CHANGES

13. **This Restructuring Paper (RP) seeks the approval of the Country Director (CD) for the proposed changes to the Project, consisting mainly in using the financial remainders to scale up activities in Project areas of intervention.** The proposal is based on the request from the Government of Benin (GoB) sent to the Bank through two letters dated respectively November 24, 2023 and June 05, 2024.⁴ It proposes to: (a) expand the length of drainage and road pavement works under Subcomponent 1.1 aiming at completing the grid further and maximizing this way the positive impacts in the

⁴ Letter No 3297-c/2023/MEF/DC/CAGD/SP dated November 24, 2023, and Letter No 1171-c/2024/CAGD/DG/DNSM/ACD/SNSC dated June 05, 2024



three Project areas of intervention – these activities are directly linked to the scope and objective of the Project (scale up); (b) increase the size of activities covered by the social facilitation action plans under Subcomponent 1.2; (c) revise the Results Framework to take into account the changes induced by (a) and (b) and adjust or clarify some of the titles and definitions of results indicators; (d) reallocate the amounts between Project sub-components and between disbursement categories; (e) update disbursement projections; and (f) Drop the requirement for SIRAT to submit Entity audited financial report. Only the Project specific audited financial report will be required.

Expansion of drainage and road pavement works in line with original project scope (scale-up)

14. The changes proposed are essentially to use the financial remainders to scale up activities in the 3 basins (Project areas of intervention) and finance social facilitation plans with activities that can be larger in size (community infrastructure projects and IEC activities to enhance flood zone management).

- As presented in paragraph 6, the works needed to complete the drainage improvement intervention in Project areas of intervention are of similar nature and smaller scale than the works covered in the original design. A list of street segments to be rehabilitated/paved through this restructuring is available in Annex 1: it covers a total of 16,779 linear meters (9,833 in Pa3, 5,145 in AAC and 1,801 in Y) subject to technical studies with financial capacity to cover approximately 11,000 linear meters worth of works. The Project follows the former Environmental and Social Framework, with specific Operational Policies that apply. The same Environmental and Social safeguards instruments apply – Environmental and Social Management Framework, Resettlement Policy Framework, Environmental and Social Impact Assessment, Environmental and Social Management Plans and Resettlement Action Plans for each of the 3 basins.⁵ A census of PAPs impacted by these works will be undertaken on these additional streets, and the same compensation procedures would apply. Carrying these scaled-up activities would maximize impacts on the overall urban environment of the Project areas, in terms of drainage, sanitation, beautification, traffic, and improved living conditions. Final selection of the 11,000 meters to be financed will take into account maximization of such positive impacts and minimization of PAPs number.
- In addition, the social facilitation work to identify community driven activities under Subcomponent 1.2 revealed that the envelope initially allocated was not sufficient to implement the 30 small community infrastructure projects targeted under the Project. The community driven activities turned out to be more costly than expected because of the nature of some infrastructure projects and because of the environmental and social management measures that have to be implemented. Nevertheless, these are still considered as small community infrastructure projects. Instead of an average of US\$10,000-15,000 per community infrastructure project, the new estimation for implementing one project is closer to US\$20,000. This change also contributes to achieving higher impacts in Project areas of intervention, with stronger engagement of the local communities in the management of these community infrastructure in their operation phase and enhancing flood zone management.

15. Because of the delay in confirming the list of additional street segments, the cutoff date of December 20, 2024, for contract signature to carry out these works will be critical. Following the mid-term review in May-June 2023, the Government sent the request for restructuring in November 2023, without the list of additional street segments. These were reviewed at multiple levels within the Government and finally confirmed in April 2024 – to remain within the same Project areas of intervention. A detailed action plan (associated with the additional works in the 3 basins) in terms of procurement processes, drafting and implementation of safeguards instruments, and disbursement schedule, was established and agreed upon with the PIU. The milestones of the action plan will be regularly monitored, and an evaluation will be carried out in January 2025 to check the status of contract signature and assess the likelihood to complete the works by the closing date of September 2025.

⁵ Available at <https://projects.worldbank.org/en/projects-operations/document-detail/P167359>



Changes to Project sub-component costs and disbursement category allocations

16. The proposed restructuring will reallocate part of financial remainders of sub-component 1.1 (civil works) to sub-component 1.2 (community infrastructure projects) which will also trigger a slight reallocation between the 2 disbursement categories (which remains within the 15% range that is acceptable). The proposed cost reallocation by sub-component is presented below.

Table 2: Cost reallocation by component (EUR million)

Component/ Sub-Component	Description	Current allocation (euros)	Changes proposed (euros)	Revised Allocation (euros)	Disbursement Category	Reasons for reallocation
1	Stormwater Drainage Investment and Community Engagement for Flood Risk Reduction and Climate Change Adaptation	83,580,000	-496,634	83,083,366		
1.1	Construction of drainage infrastructure and related works and studies for Cotonou's Basin Y, Basin Pa3 and Basin Aac	83,130,000	-702,940	82,427,000	Category 1	there were cost savings made on the 2 major works contracts, which can be used to cover additional works (street segments in the 3 basins) and larger activities under social facilitation action plans under subcomponent 1.2 (community infrastructure projects and IEC activities)
1.2	Strengthening Community Awareness, Capacity and Engagement in Flood Risk and Climate Change Adaptation	450,000	+206,305	656,305	Category 2	this increase is proposed to cover community infrastructure projects that are larger in size
2	Strengthening Urban Resilience Management and Capacity	1,560,000	302,614	1,862,614		
	Operation and Maintenance Mechanism for the Drainage Network	178,200	-104,784	73,416	Category 2	The activity costed less than initially planned
	Data-sharing Platform and Hydrological Flood Model	490,800	192,117	682,917	Category 2	the gap is explained by the bid submitted by the consultant selected to develop the hydrological model, which was higher than the initial provision, as well as the model's equipment and the amendment enabling the consultant to carry out the study on buried networks.
	Capacity Building Plan	891,000	215,282	1,106,282	Category 2	the gap is explained by the costing of the consolidated capacity-building plan for multi-stakeholders.
3	Project Management. Monitoring and Evaluation	3,960,000	194,020	4,154,020	Category 2	This increase is proposed to cover costs needed until closing date of Project for project management, M&E, including a technical audit of the works and a project completion report to be produced
Total		89,100,000	0	89,100,000		



Table 3: Reallocation by disbursement category

Category	Amount of the Financing Allocated (expressed in EUR)	Reallocation (US\$ million)	Revised Allocation (US\$ million)	Reasons for reallocation
(1) Goods, non-consulting services, consulting services, Operating Costs and Training for the Project, except for Part A.1 of the Project	5,970,000	702,940	6,672,940	The proposed reallocation is to cover social facilitation action plans under Part A.2 with activities that can be larger in size (community infrastructure projects and IEC activities), higher actual costs for Parts B.2 and B.3 of the Project (hydrological model, capacity-building plan for project stakeholders), as well as a technical audit and completion report under Part C of the Project. (The variation remains under the 15% variation permitted).
(2) Goods, works non-consulting, and consulting services under Part A.1 of the Project	83,130,000	-702,940	82,427,060	There were cost savings made on the 2 major works contracts under Part A.1 of the Project, which are proposed to be used to scale up activities under Part A.1 (additional road works in the 3 basins) and to finance larger activities under social facilitation action plans under Part A.2 (community infrastructure projects and IEC activities). (The variation remains under the 15% variation permitted).
TOTAL AMOUNT	89,100,000	0	89,100,000	

Changes to the Results Framework

17. **The PDO statement captures the two outcomes that are expected, and which remain relevant until Project closure.** These are: (i) reduce flood risks in selected areas of Cotonou, and (ii) strengthen urban resilience management and capacity at the city level. There is no change, except for providing a more specific definition of PDO#4, as proposed below.

Table 4: Summary of proposed changes to PDO Indicators

PDO Indicator	Unit	Baseline (April/2019)	Current Status (April 14, 2024)	End-Target (Sept. 2025)	Proposed modification/Rationale
Outcome 1: To reduce flood risks in selected areas of Cotonou					
PDO#1 Cotonou residents in selected areas benefiting from decreased risk of recurring flooding	number	0.00	126,361.00	168,000.00	None
PDO#2 Area of flood-prone zones under integrated flood risk management approaches	Hectare (Ha)	0.00	15.00	35.00	None
Outcome 2: To strengthen urban resilience management and capacity at the city level					
PDO#3 Designated entity and/or entities have the financial and technical capacities to execute O&M of city-wide drainage infrastructure on a regular basis	Yes / No	No	Yes	Yes	None
PDO#4 Constructed and/or rehabilitated drainage infrastructure cleaned semi-annually	percent age	0.00	0.00	100.00	Proposed modification is on the definition of the indicator: - Current definition is "This indicator measures the outcomes of Project efforts to enhance urban resilience,



					<p>where improved management of resources and infrastructure in flood-prone areas would show, among others, as semi-annual cleaning of Project financed investments”.</p> <p>- New definition is to add: “Cleaning activities refer to cleaning sediments, vegetation, and/or wastes that are located in the drainage infrastructure financed by the Project. The percentage is calculated based on a total length of drainage works rehabilitated and constructed that is indicated as end-target in IRI#1”.</p>
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18. **Changes to the Results Framework are proposed to capture the additional works under Subcomponent 1.1 mainly, and adjust or clarify some of the titles or definitions of results indicators.** They are summarized in Table 4 below, and the restructured Results Framework can be found in Annex 2.

Table 5: Summary of proposed changes to Intermediate Results Indicators by Component

IRI Indicator	Unit	Baseline (April 2019)	Current Status (July 2024)	End-Target (Sept. 2025)	Proposed modification/Rationale
Component 1: Stormwater drainage investment and community engagement for flood risk reduction and CCA					
IRI #1 Length of drainage work rehabilitated and constructed (primary and secondary networks)	m	0	10.875	25.00	- The unit is adjusted to kilometers (“meter” was a mistake in the Project Appraisal Document) - The end-target is increased to 35.00 km to reflect the additional works (scaled up activities)
IRI #2 Additional retention capacity due to rehabilitated storage areas	m3	0	184,650.00	400,000.00	No change
IRI #3 O&M mechanism is functional (including financing mechanism)	Yes/No	No	Yes	Yes	No change
IRI #4 Community equipment for flood risk reduction validated, implemented, and integrated into municipality assets	Number	0.00	0.00	30.00	- End-target remain at 30 ⁶ - Title is adjusted to add “Community equipment for flood risk reduction and/or improvement of the living environment validated, implemented, and integrated into municipal assets”
IRI #5 Waste collection rate in the drainage infrastructure provided by the project	Percentage	0.00	Not applicable	95.00	This indicator is proposed to be dropped , as - it duplicates PDO#4 indicator, given that the concern is about ensuring that the drainage infrastructure is not obstructed by waste, - “waste collection rate” usually refers to a service provided to a defined area (measuring the service coverage), not to an infrastructure, which makes it impossible to measure - finally, the Project does not contribute to waste collection activities directly, because of a dedicated program financed by the African Development Bank that was confirmed and implemented after Project Appraisal and the Government wanted to have as the main distinct program leading interventions in the sector.

⁶ Cf. the second letter received by the World Bank: Letter No 1171-c/2024/CAGD/DG/DNSM/ACD/SNSC dated June 05, 2024



IRI Indicator	Unit	Baseline (April 2019)	Current Status (July 2024)	End-Target (Sept. 2025)	Proposed modification/Rationale
IRI #6 Length of roads paved with concrete interlock blocs	Km	0	7.61	12.00	The end-target is increased to 23.00 km to reflect the additional works (11.00 km of additional street segments)
IRI #7 People reached by the information, education and communication strategy (IEC-resilience, climate change and waste management)	Number	0	24,909.00	25,000.00	No change
IRI #8 Women being members of the community committees for flood control	Percentage	0	57.93	50.00	No change
IRI #9 Activities to be designed to alleviate disproportionate flood impacts on women and most vulnerable	Percentage	0	0.00	50.00	Definition is adjusted to include capacity-building activities as follows: "Community infrastructure equipment and/or capacity-building activities that help alleviate disproportionate flood impacts on women and most vulnerable, given increased responsibilities in the household and the community.
Component 2: Strengthening urban resilience management and capacity					
IRI #10 Modular data sharing platform for rainwater management and urban resilience operational and managed by the designated entity under the Ministry of sustainable and Territorial Development	Yes/No	No	No	Yes	No change (with the understanding that the Ministry of sustainable and territorial development became the Ministry of the Living Environment and Transport in charge of Sustainable Development)
IRI #11 Hydrological flood modeling managed by the designated entity under the Ministry of Sustainable and Territorial Development	Yes/No	No	No	Yes	No change (with the understanding that the Ministry of sustainable and territorial development became the Ministry of the Living Environment and Transport in charge of Sustainable Development)
IRI #12 Key stakeholders (including females) trained on flood risk management, urban climate change resilience and territorial planning	Number	0	62.00 (of which 7 women)	300	No change
Component 3: Project Management, Monitoring and Evaluation					
IRI #13 Grievances registered related to delivery of Program benefits that are addressed	Percentage	0	100	80	- The title is adjusted to refer to the Project (and not the Program) and to Project implementation in general: "Grievances registered related to Project implementation that are addressed". - Definition and Datasource are adjusted to not refer to reports issued by the works contractors only: "Monitoring of grievance redress reports consolidated and issued by the Project implementation unit ".

Additional change proposed to the Financial Reporting Arrangements

19. **Periodic audits from SIRAT (as Project Implementing Entity) no further required.** The requirements of the Financial Management assessments at the time of Project preparation demanded for both the Project Implementing Entity (SIRAT) Audited Report as well as the Project (PAPC/PGERU) specific Audited Report. The Entity Audit was required mainly to ensure that ACVDT at the time, as a newly formed entity responsible for implementing Bank-financed projects is well governed with its financial statements annually audited added to the ones related to the projects. The Entity (SIRAT today) now has structures in



place, and the requirement to have the Entity/SIRAT periodic Audit is therefore proposed to be dropped, while retaining only that of the Project.

III. PROPOSED CHANGES

Operation Information	Proposed Changes	Operation Information	Proposed Changes
Results	Yes	Reallocations	Yes
Disbursements Estimates	Yes	Financial Management	Yes
Development Objective	No	Loan Closing Date Extension	No
Safeguard Policies Triggered	No	Loan Cancellations	No
ISDS	No	Procurement	No
MFD/PCE	No	Institutional Arrangement	No
Risks	No	Implementation Schedule	No
Legal Covenants	No		
Conditions	No		
Implementation Modalities	No		
Disbursements Arrangements	No		
DDO	No		
Clients	No		
Appraisal Summary	No		
Components	No		

IV. DETAILED CHANGE(S)

COSTS & FINANCING

Private Capital Facilitation

Is this an MFD-Enabling Project (MFD-EP)?

Is this project Private Capital Enabling (PCE)?



LOANS

Reallocations

IDA-64300-001

Currency: EUR

Cancellations (if any):
0.00

New Allocation:
0.00

Category No.	Expenditure Category	Current Allocation	Actuals + Committed	Proposed Allocation	Financing % (Type Total)	
					Current	Proposed
1	G,NCS,CS,OC,TRN exp PtA.1;	5,970,000.00	1,998,358.88	6,672,940.00	100.00	100.00
2	GDS,W,NCS,CS PtA.1;	83,130,000.00	32,815,748.92	82,427,060.00	100.00	100.00
Total		89,100,000.00		89,100,000.00		

DISBURSEMENTS

Operation Dates & Projection Details

Reasons to change the full Disbursement date and/or the projection

Restructuring

Implementation Start Date

23-May-2019

Operation Closing Date

30-Sept-2025

Projected Date for Full Disbursement

27-Nov-2025

Expected Disbursements (in US \$) (Absolute)

Year	Original Estimation at Preparation (Approval Package – 23 May 2019)	Revised Estimation	Actual
FY2019	0.00	0.00	0.00
FY2020	6,643,400.00	8,613,256.00	8,613,256.27
FY2021	12,726,100.00	4,134,024.00	4,134,024.03
FY2022	17,803,000.00	5,406,191.00	5,406,192.35
FY2023	19,397,300.00	20,936,273.00	20,936,274.15
FY2024	21,097,500.00	12,215,321.00	12,215,321.51
FY2025	20,090,900.00	38,897,935.00	0.00



The World Bank

Benin - Stormwater Management and Urban Resilience Project (P167359)

FY2026	2,241,800.00	9,800,000.00	0.00
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RESULTS

COUNTRY: Benin

Benin - Stormwater Management and Urban Resilience Project

PDO Indicators by PDO Outcomes

To reduce flood risks in selected areas of Cotonou								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Result	Month/Year	Result	Date	Result	Date	Result	Month/Year
Cotonou residents in selected areas benefiting from decreased risk of recurring flooding (number) (Number)	0.00	Apr/2019	126,361	11-Apr-2024	126,361	01-Jul-2024	168,000.00	Sept/2025
Area of flood-prone zones under integrated flood risk management approaches (ha) (Hectare(Ha))	0.00	Apr/2019	15	11-Apr-2024	15	01-Jul-2024	35.00	Sept/2025
To strengthen urban resilience management and capacity at the city level								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Result	Month/Year	Result	Date	Result	Date	Result	Month/Year
Designated entity and/or entities have the financial and technical capacities to execute O&M of city-wide drainage infrastructure on a regular basis (Yes/No)	No	Apr/2019	Yes	11-Apr-2024	Yes	01-Jul-2024	Yes	Sept/2025
^{Revise} Constructed and/or rehabilitated drainage infrastructure cleaned semi-annually (percentage) (Percentage)	0.00	Apr/2019	0.00	11-Apr-2024	0.00	01-Jul-2024	100.00	Sept/2025



Intermediate Results Indicators by Components

Component 1: Stormwater drainage investment and community engagement for flood risk reduction and climate change adaptation								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Result	Month/Year	Result	Date	Result	Date	Result	Month/Year
Revise Length of drainage work rehabilitated and constructed (primary and secondary networks) (Kilometers)	0.00	Apr/2019	10.88	13-Apr-2024	11	01-Jul-2024	35.00	Sept/2025
Additional retention capacity due to rehabilitated storage areas (Cubic Meter(m3))	0.00	Apr/2019	184,650.00	13-Apr-2024	184,650.00	01-Jul-2024	400,000.00	Sept/2025
O&M mechanism is functional (including financing mechanism) (Yes/No)	No	Apr/2019	Yes	13-Apr-2024	Yes	01-Jul-2024	Yes	Sept/2025
Revise Community equipment for flood risk reduction validated, implemented and integrated into municipality assets (Number)	0.00	Apr/2019	0.00	13-Apr-2024	0.00	01-Jul-2024	30.00	Sept/2025
Revise Length of roads paved with concrete interlock blocs (km) (Kilometers)	0.00	Apr/2019	7.61	13-Apr-2024	7.61	01-Jul-2024	23.00	Sept/2025
People reached by the information, education and communication strategy (IEC-resilience, climate change and waste management) (Number)	0.00	Apr/2019	28,391	13-Apr-2024	24,909	01-Jul-2024	25,000.00	Sept/2025
Women being members of the community committees for flood control (percentage) IEC action plan progress reports, surveys, audio-	0.00	Apr/2019	57.93	13-Apr-2024	57.93	01-Jul-2024	50.00	Sept/2025
	Comments on achieving targets		the total number of members of Community-Based Organizations (Local Flood Control Committees) is 6295 including 3647 women					



visual recording, meeting documents (Percentage)								
Revise Activities to be designed alleviate disproportionate flood impacts on women and most vulnerable (Percentage)	0.00	Apr/2019	0.00	13-Apr-2024	0.00	01-Jul-2024	50.00	Sept/2025
Component 2: Strengthening urban resilience management and capacity								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Result	Month/Year	Result	Date	Result	Date	Result	Month/Year
Modular data sharing platform for rainwater management and urban resilience operational and managed by the designated entity under the Ministry of sustainable and Territorial Development (Yes/No)	No	Apr/2019	No	13-Apr-2024	No	01-Jul-2024	Yes	Sept/2025
Hydrological flood modeling managed by the designated entity under the Ministry of Sustainable and Territorial Development (Yes/No)	No	Apr/2019	No	13-Apr-2024	No	01-Jul-2024	Yes	Sept/2025
Key stakeholders (including females) trained on flood risk management, urban climate change resilience and territorial planning (Number)	0.00	Apr/2019	62.00	13-Apr-2024	62.00	01-Jul-2024	300.00	Sept/2025
Component 3: Project management, monitoring and evaluation								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Result	Month/Year	Result	Date	Result	Date	Result	Month/Year
Revise Grievances registered related to delivery of Program benefits that are addressed (percentage) (Percentage)	0.00	Apr/2019	100.00	13-Sept-2023	100.00	01-Jul-2024	80.00	Sept/2025



Annex 1 – List of scaled up activities (additional road segments)

Basins	Road number	Length (m)
Basin Pa3	10.147	132
	10.222	388
	10.220	213
	10.151	338
	10.153	329
	10.155	336
	10.157	441
	10.159	192
	10.202	88
	10.200	117
	10.198	174
	10.161	344
	10.165	288
	10.194	71
	10.192	148
	10.196	308
	10.188	217
	10.186	104
	10.184	283
	10.139	79
	10.141	56
	10.145	128
	10.190	112
	10.230	193
	10.228	205
	10.177	133
	10.175	144
	10.173	149
	10.171	143
	10.138	387
	10.136	334
	10.134	92
	10.132	217
	10.085	125
	10.087	141
	10.083	111
	10.081	126
	10.091	331
	10.093	368
	10.095	352
	10.097	257
10.099	227	
10.154	80	
10.156	117	
10.162	133	
10.164	167	
10.166	127	
10.168	98	
10.140 suite droite	190	
TOTAL Pa3	9 833 m	
Basin AAc	12.315	231
	12.317	114
	12.319	92
	12.329	80
	12.326	219
	12,321	68
	12,323	111
	12,363	198
12,361	190	



Basins	Road number	Length (m)
	12.353	181
	12.351	96
	12.370	186
	12.496	1 349
	12.586	662
	13.066	276
	13.072	274
	13.076	274
	13.080	272
	13.084	272
	TOTAL AAc	5 145 m
Basin Y	4,004	567
	4005	409
	4,032 & 4,034	487
	Bel Air (4,107)	338
	TOTAL Y	1 801
Total Length	72 roads	16 779 m