#### **ROAD DEVELOPMENT AUTHORITY**



#### **BUDGET ESTIMATES 2021/22**



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#### **Government & RDA vision**

In line with Government Programme 2020-24 'Towards an inclusive, high income and green Mauritius', the Road Development Authority (RDA) is implementing ongoing projects as well as embarking on new projects, while maintaining the existing roads to achieve the government objectives:

Prioritization of Infrastructure projects to:

- ✓ Reduce congestion
- ✓ Improve transport system and service level
- ✓ Achieve Safety and security
- ✓ Obtain Value for Money
- ✓ Boost Economic growth
- ✓ Encourage Environmental Enhancement

#### **Government & RDA vision**

The Government Programme 2020-24 lay emphasis among others on 'Inclusiveness at the Heart of the Nation' and in this spirit the Government will invest to further modernise the road network across the country including a new motorway M4 to link the airport to the north along the eastern coastline

More flyovers and bypasses will be constructed with a view to eliminating roundabouts on the motorways and improve traffic flows

### Recap of RDA 3-year delivery plan

Hence, the RDA has continued with its revamping of its 3-year delivery plan to be more strategic and focused on addressing the key challenges faced by the transport sector and roads in an integrated transport context; namely key themes are:

- 1. Junction improvement and congestion reduction
- Enhancement of road service level
- 3. Improved connectivity
- 4. Flood and risk management/ Drainage cleaning program (for emergency), Environment and Sustainability
- 5. Research and Development, Technology and innovation and Improvement of Road Furniture
- 6. Multimodal Integrated Transport System

# Major Achievements 2020/2021 Projects completed or to be completed in 2020/2021

Projects	Project Value (Rs Million)
<ul> <li>Upgrading of Pointe Aux Sables Road at Petit Verger</li> <li>Improvement of bend at Nouvelle Decouverte</li> <li>Upgrading of B28 Road (Lot 3)- Deux Freres to Beau Champ</li> <li>A1 – A3 Link Road</li> <li>Hillcrest Flyover, Quatres Bornes</li> <li>La Croisette Link Road</li> <li>Upgrading of Choisy Bridge , Poste Lafayette</li> </ul>	<ul> <li>99.4</li> <li>83.2</li> <li>104.2</li> <li>294.9</li> <li>317.7</li> <li>93.5</li> <li>78.9</li> </ul>

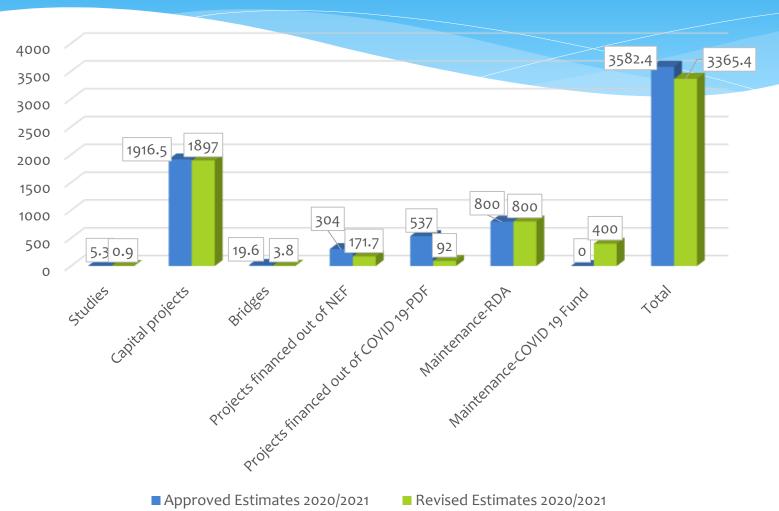
### **Current Budget Status (RDA)**

#### RDA EXECUTIVE BUDGET SUMMARY ESTIMATES 20/21

	A	Davis ad Fallers	
	Approved Estimates	Revised Estimates	
	2020/21	2020/21	Variance
Description	Rs M	Rs M	Rs M
Studies	5.3	0.9	-4.4
Capital Projects	1916.5	1897.0	-19.5
Bridges	19.6	3.8	-15.8
Projects Financed out of National Environment Fund	304.0	171.7	-132.3
Projects Financed out of COVID 19- Project Development Fund	537.0	92.0	-445.0
Maintenance-RDA	800.0	800.0	
Maintenance – COVID 19 Fund		400.0	400.0
Total	3582.4	3365.4	-217.0

### **Current Budget Status (RDA)**

REVISED ESTIMATES 2020/2021 COMPARED WITH ORIGINAL ESTIMATES 2020/2021 IN RS M



#### Key Reasons for variance in Budget FY 20/21 - RDA

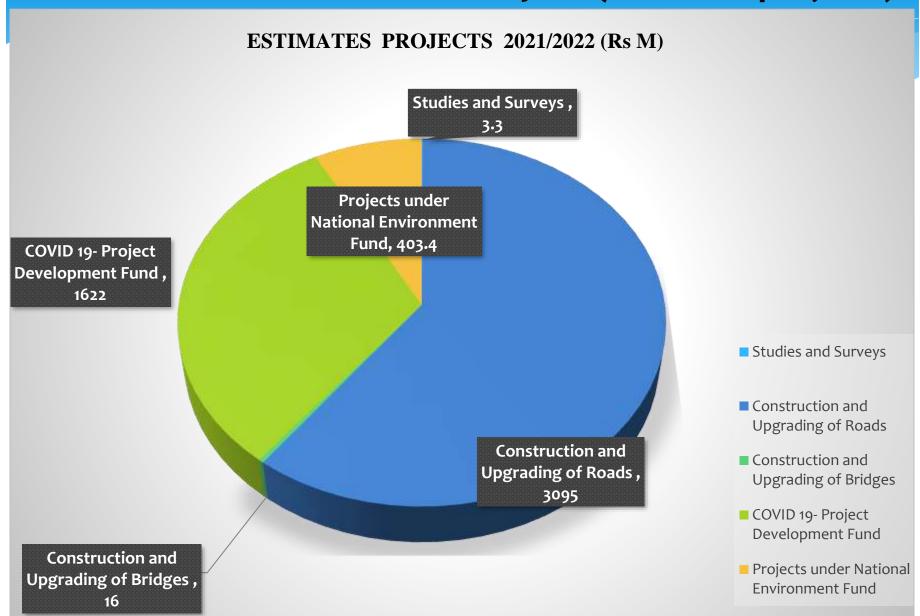
DESCRIPTION	2020/21 (July 20 to June 21) Budget Estimates	Revised Budget 20/21	Variance	Reasons
	Rs M	Rs M	Rs M	
Whole-life Asset Management and Operation Plan (Study)	5.0	0.0	-5.0	Resource constraints - Delayed in manning sections through recruitment
Upgrading of B28 Road (Lot 3) from Deux Freres to Beau Champ Phase 1	94.0	86.9	-7.1	External dependencies – Procurement delays, Land acquisition
La Vigie La Brasserie Link Road	160.0	98.5	-61.5	External dependencies – Procurement delays, Land acquisition
Landslide Works at Chamarel	153.0	80.0	-73.0	External dependencies – Procurement delays
Counter Measure works to Slope Failure at Batelage, Souillac (Design-Build/ Turnkey)	59.0	35.0	-24.0	External dependencies – Procurement Delays

DESCRIPTION	2020/21 (July 20 to June 21) Budget Estimates	Revised Budget 20/21	Variance	Reasons
	Rs M	Rs M	Rs M	
Counter Measure works to Slope Failure at Souillac Bridge (Design-Build/ Turnkey)	45.0	20.2	-24.8	External dependencies – Procurement delays
Interchange Constructions and Improvements along M3-A14 Corridior at Ebene (ex. Upgrading of Ebene Fly over)	127.0	0.0	-127.0	External dependencies – Procurement delays
Design and Construction of Flyover at Quay D Roundabout	60.0	0.0	-60.0	External dependencies – Procurement delays
Motorway M4-Lot2 Phase 1 –Bel Air to Pont Blanc	160.0	0.0	-160.0	External dependencies – Procurement delays
Reconstruction of Pont Bruniquel, Baie du Tombeau	70.0	0.0	-70.0	External dependencies – Land acquisition
Rehabilitation of L'Avenir Bridge	40.0	16.0	-24.0	External dependencies – Procurement delays
Rehabilitation of St Denis Bridge, Chamarel	30.0	16.3	-13.7	External dependencies – Land acquisition

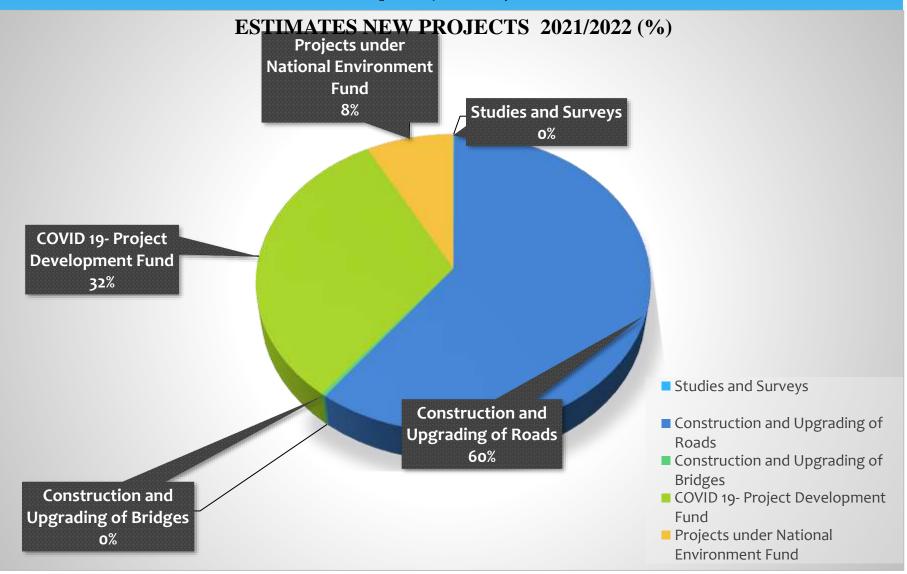
#### **Key reasons for Project Delays**

- \* External dependencies:
  - ✓ Land acquisition
  - ✓ Interface with other Metro Design
  - ✓ Procurement and/or Policy Decisions
  - ✓ Relocation of Services
  - ✓ COVID 19 Confinement
- \* Change in scope of works:
  - ✓ Unanticipated additional works
- \* Resource constraints:
  - ✓ Delayed in manning sections through recruitment
- \* Complex Geotechnical Issue
  - ✓ Landslides, caves, marshy land, ground water

#### Look forward for next financial year (RDA new projects)



# Look forward for next financial year (RDA new projects)

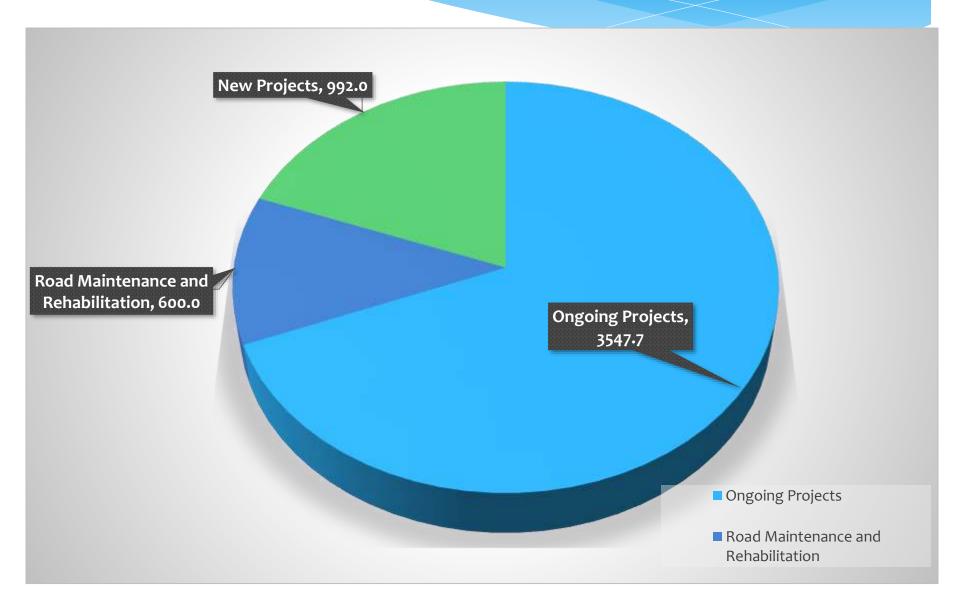


# Look forward for next financial year (RDA ongoing and new projects)

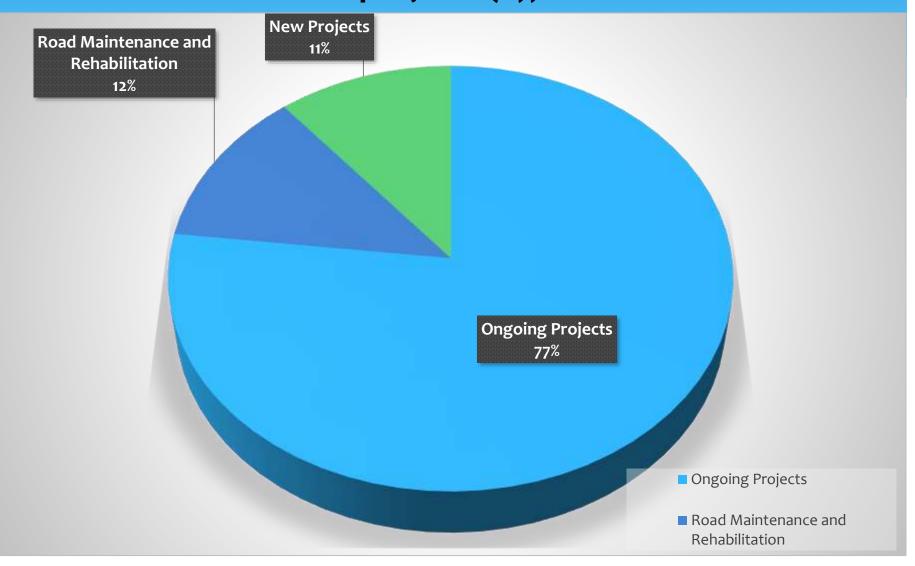
RDA EXECUTIVE BUDGET SUMMARY ESTI	MATES 2021/22
	Estimates FY 2021/22
Description	Rs M
Ongoing projects	
Studies	3.3
Capital Projects	2095.0
Bridges	11.0
National Environment Fund – Landslide	
Management	346.4
COVID 19 –Project Development Fund	1092.0
Maintenance	600.0
Sub Total - ongoing projects	4147.7
New Capital projects:	
Studies and Surveys	
Construction and Upgrading of Roads	400.0
Bridges	5.0
National Environment Fund	57.0
COVID 19-Project Development Fund	530.0
Sub Total- new projects	992.0
GRAND TOTAL	5139.7

#### Look forward for FY 21/22 (RDA ongoing and new projects)

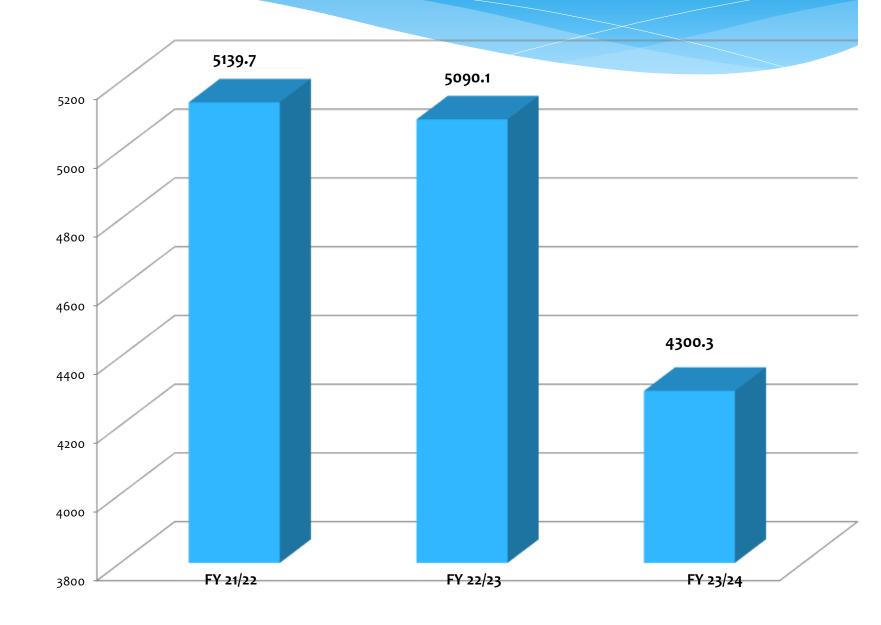
**ESTIMATES 2021/2022 (Rs M)** 



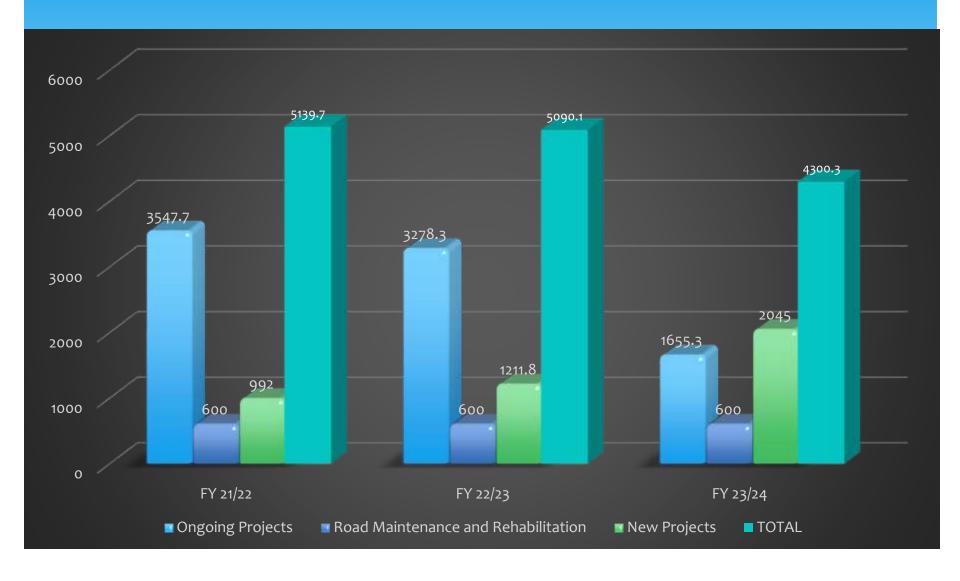
# Look forward for FY 21/22 (RDA ongoing and new projects (%))



#### Look forward for FY 21/22,22/23 and 23/24– RDA (Rs M)



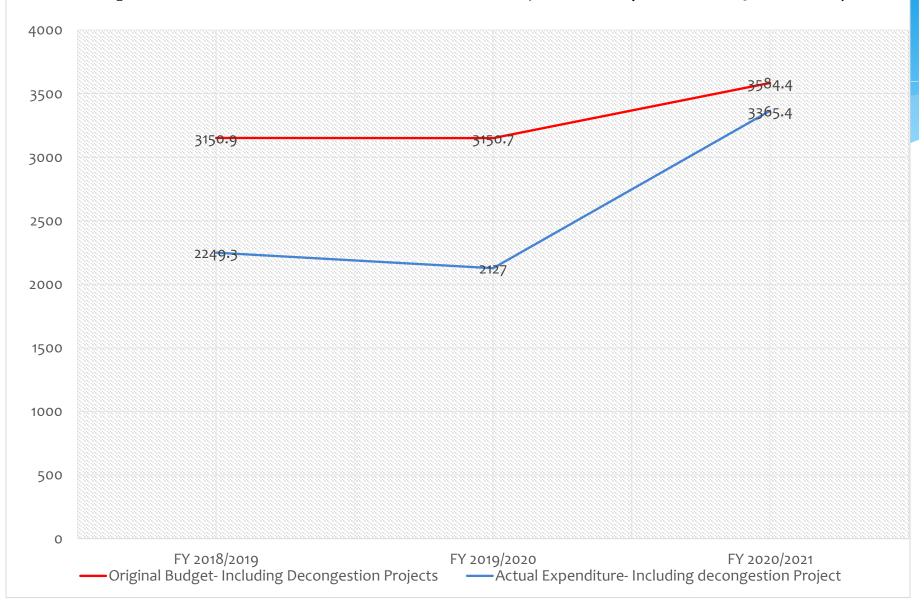
#### Look forward for FY 21/22, 22/23 and 23/24– RDA (Rs M)



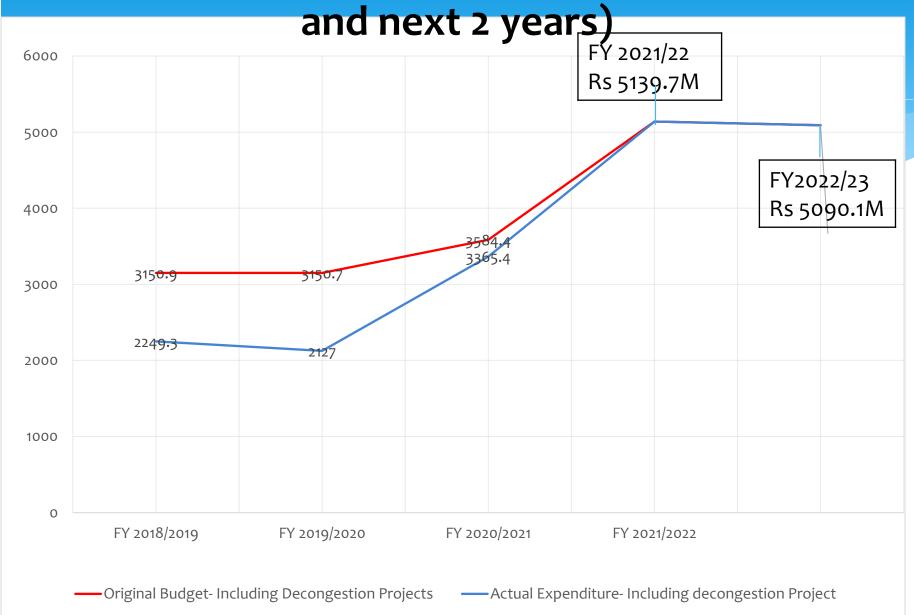
#### **Expenditure on Road Projects (last 3 years)**

DESCRIPTION	FY 2018-19	FY 2019-20	FY 2020-21
Original Budget- including decongestion projects	3150.9	3150.7	3584.4
Actual Expenditure – including decongestion projects	2249.3	2127.0	3365.4 (Revised estimates )
% Achieved	72%	68%	94% (Expected)

#### Expenditure on Road Projects (last 3 years)



Expenditure on Road Projects (last 3 years



#### Conclusion

- ✓ Whilst ensuring good governance practices, RDA has continued in its endeavor to provide the required level of service to road users and assistance to other Government bodies to meet government objectives
- ✓ RDA has re-prioritized all its projects to address fundamental issues. This
  includes small projects with high impacts
- ✓ The RDA has identified high added value projects such as Motor way M4 from SSR Airport to Forbach
- ✓ Motivation of staff of RDA to encourage ownership with a view to achieve high level of output through constant interactive meetings with management
- ✓ Through effective team work to address cross cutting issues such as challenges in procurement, court matters and geotechnical complexities
- ✓ In one year time, projects like Reconstruction of Jumbo Phoenix Roundabout and A1-M1 Bridge, Upgrading of Road at Palmerstone, Landslide Works at Chamarel will be substantially completed
- ✓ Some projects may be substantially small but are high benefits projects e.g. Counter Measures to slope failures at Mt Ory, Batelage, Souillac Bridge and Projects under Maintenance
- ✓ With RDA input in effectively managing the implementation of 5 urban terminals, we expect to achieve and improve an integrated multi modal transport system

#### **APPENDIX**

### List of Ongoing and New Projects

DESCRIPTION	Budget Estimates 2020/21(July 20 to June 21)		Planned 2021/22	Planned 2022/23	Planned 2023/24	Planned 2024/25
	Rs M	Rs M	Rs M	Rs M	Rs M	Rs M
Fees- Licence icw Road Management System	0.3	0.3	0.3	0.3	0.3	0.3
Studies and Surveys						
Whole-life Asset Management and Operation Plan (Study)	5.0	0.0	0.6	3.0	3.0	3.0
La vigie - La Brasserie - Beaux Songes Link Road (Survey Fees)	0.0	0.6	2.4			

DESCRIPTION	Budget Estimates 2020/21(July 20 to June 21)	Updated Revised Estimates FY 2020/21(July 20 to June 21)	Planned 2021/22	Planned 2022/23	Planned 2023/24	Planned 2024/25
De Caen Fly over , Port Louis	0.0	0.0	19.4	0.0	0.0	
Repair of embankment failure on Terre Rouge Verdun Road	8.5	9.4	0.0	0.0	0.0	
Reconstruction of Jumbo Phoenix Roundabout and A1-M1 Bridge - Consultancy	50.0	54.5	62.0	56.6	0.0	
Reconstruction of Jumbo Phoenix Roundabout and A1-M1 Bridge - Works	1050.0	1124.0	954.0	516.8	0.0	0.0

DESCRIPTION	Budget Estimates 2020/21(July 20 to June 21)		Planned 2021/22	Planned 2022/23	Planned 2023/24	Planned 2024/25
Third lane from Jin- Fei to Port	14.5	13.4	0.0	0.0	0.0	
Upgrading of Pointe aux Sable Road at Petit Verger	5.0	5.0	0.0	0.0	0.0	
Improvement of bend at Nouvelle Decouverte	43.6	37.4	2.1	0.0	0.0	
Reprofiling of L'Amaury Road	1.1	1.1	0.0	0.0	0.0	

DESCRIPTION	Budget Estimates 2020/21(July 20 to June 21)	Updated Revised Estimates FY 2020/21(July 20 to June 21)	Planned 2021/22	Planned 2022/23	Planned 2023/24	Planned 2024/25
Upgrading of B28 Road (Lot 3) from Deux Freres to Beau Champ Phase 1		86.9	2.7	0.0	0.0	
Upgrading of B28 Road (Lot 3) from Beau Champ to Bel Air Phase 2		-	43.9	63.1	3.0	
Upgrading of Road at Palmerstone, Vacoas	160.7	160.7	178.4	45.0	10.0	
A1-A3 Link Road	120.0	120.7	15.0	0.0	0.0	
Cap Malheureux bypass	11.0	18.3				

DESCRIPTION	Budget Estimates 2020/21(July 20 to June 21)	Updated Revised Estimates FY 2020/21(July 20 to June 21)	Planned 2021/22	Planned 2022/23	Planned 2023/24	Planned 2024/25
Hillcrest Flyover, Quatres Bornes	167.0	167.1	8.1	0.0	0.0	_
La Croisette New Link Road (RDA Contribution)	2.1	0	2.1	0.0	0.0	-
La Vigie La Brasserie Link Road -Phase 1	160.0	98.5	312.3	228.0	0.0	17.0
Construction of Verdun Bypass	29.0	0	150.0	170.0	0.0	16.0

DESCRIPTION	Budget Estimates 2020/21(July 20 to June 21)	Updated Revised Estimates FY 2020/21(July 20 to June 21)	Planned 2021/22	Planned 2022/23	Planned 2023/24	Planned 2024/25
Upgrading of Vingt Pied Road B45, Grand Bay	0.0	0.0	80.0	175.0	73.5	8.5
Grade Separated Junction at Wooton	-	-	70.0	150.0	160.0	
La Vigie -La Brasserie- Beaux Songes -Phase 2	-	-	110.0	299.9	662.0	28.0
Bois Cheri Bypass	-	-	25.0	135.0	70.0	6.0
Upgrading of B28 Road-Lot 1 from Cavendish Bridge to Anse Jonchee	-	-	60.0	160.0	240.0	15.0
Construction of Hermitage Bypass (Works)				25.0	118.0	100.0

DESCRIPTION	Budget Estimates 2020/21(July 20 to June 21)	Updated Revised Estimates FY 2020/21(July 20 to June 21)	Planned 2021/22	Planned 2022/23	Planned 2023/24	Planned 2024/25
Motorway M4 - Phase 2 Construction of a dual carriageway from Pont Blanc to Forbach on Motorway M2 (Works + Supervision)			360.0	750.0	1350.0	1625.0
Construction of the Flic en Flac Bypass from Xavier and Pierrefonds Works & Consultancy Services			0	120.0	400.0	650.0
Construction of a Flyover on Motorway M2 at Terre Rouge Roundabout (Works)			40.0	175.0	175.0	

DESCRIPTION	Budget Estimates 2020/21(July 20 to June 21)		Planned 2021/22	Planned 2022/23	Planned 2023/24	Planned 2024/25
Ste Marie Bridge, Bel Ombre	1.6	1.6				
Joli Bois Bridge, Mare Tabac	3.0	2.2				
Consultancy Services for the construction of new bridge at Ville Noire (Cavendish)	15.0		11.0			
Upgrading of Constance Bridge along B117 Road at St Remi	0.0	0.0	5.0	43.8	0.0	1.2

#### Look Forward – RDA On Going Projects Maintenance

DESCRIPTION	Budget Estimates 2020/21(July 20 to June 21)		Planned 2021/22	Planned 2022/23	Planned 2023/24	Planned 2024/25
Roads and Bridges	650.0	556.7	400.0	400.0	400.0	400.0
Footpaths	75.0	195.2	70.0	70.0	70.0	70.0
Road Marking and Signage	75.0	48.1	50.0	50.0	50.0	50.0
Routine Maintenance			80.0	80.0	80.0	80.0
SUB TOTAL	800.0	800.0	600.0	600.0	600.0	600.0
GRAND TOTAL	2,741.4	2,701.7	3,114.3	3,716.5	3,864.8	3,070

DESCRIPTION	Budget Estimates 2020/21(July 20 to June 21)		Planned 2021/22	Planned 2022/23	Planned 2023/24	Planned 2024/25
Upgrading of Office Buildings	1.0	1.0	1.0	1.0	1.0	1.0
Acquisition of Vehicles	0.0	0.0	2.0	2.0	2.0	2.0
Acquisition of Other Machinery and Equipment	2.0	2.0	2.0	2.0	2.0	2.0
Intangible Fixed Assets -EDMS	2.0		4.7	1.1		
Intangible Fixed Assets – Computerisation Project of RDA				3.0	2.0	
Recurrent Grant	133.0	133.0	133.0	133.0	133.0	133.0
GRAND TOTAL	2,879.4	2,837.7	3,257.0	3,858.6	4,004.8	3,208.0

## Look Forward – RDA New and On Going Projects Maintenance- National Environment Fund

DESCRIPTION	Budget Estimates 2020/21(July 20 to June 21)		Planned 2021/22	Planned 2022/23	Planned 2023/24	Planned 2024/25
Repairs to Terre Rouge Verdun Road - D 4 Section	0.0	0.0	3.3	0.0	0.0	0.0
Landslide Works at Chamarel	153.0	80.0	235.0	66.0	9.2	0.0
Landslide Works at Chamarel- Consultancy	0.0	1.5	7.1			
Counter Measure works to Slope Failure at Montagne Ory along B46 at Montagne Ory Road (Design-Build / Turnkey)	40.0	35.0	14.7		1.3	
Counter Measure works to Slope Failure at Batelage, Souillac (Design- Build / Turnkey)	59.0	35.0	56.0	0.0	5.0	0.0

### Look Forward – RDA New and On Going Projects Maintenance- National Environment Fund

DESCRIPTION	Budget Estimates 2020/21(July 20 to June 21)		Planned 2021/22	Planned 2022/23	Planned 2023/24	Planned 2024/25
Counter Measure works to Slope Failure at Souillac Bridge (Design- Build / Turnkey)	45.0	20.2	30.3		1.3	
Royal Bridge , Quay D ,Port Louis	5.0					
Baramin Bridge, Grand Port	2.0					
Purging of rock and provision of rocknet at Maconde Cliff		0.0	41.0	1.0		
Slope failure at Riviere Des Creoles			16.0	52.0	2.0	
GRAND TOTAL NEF	304.0	171.7	403.4	119.0	18.8	

# Projects Financed under COVID-19 Projects Development Fund

DESCRIPTION	Budget Estimates 2020/21(July 20 to June 21)		Planned 2021/22	Planned 2022/23	Planned 2023/24	Planned 2024/25
Interchange Constructions and Improvements along M3-A14 Corridior at Ebene (ex. Upgrading of Ebene Fly over)	127.0	0.0	200.0	200.0	126.0	0.0
Design and Construction of Fly over at Quay D Rounabout	60.0	0	200.0	187.0		10.0
Motorway M4- Lot 2 Phase 1 (Bel Air to A2)	160.0		550.0	730.0	280.0	40.0
Reconstruction of Pont Bruniquel, Baie du Tombeau	70.0		40.0	71.0	4.0	
Maintenance and Rehabilitation		400.0	530.0	45.0		

# Projects Financed under COVID-19 Projects Development Fund

DESCRIPTION	Budget Estimates 2020/21(July 20 to June 21)	Updated Revised Estimates FY 2020/21(July 20 to June 21)	Planned 2021/22	Planned 2022/23	Planned 2023/24	Planned 2024/25
Rehabilitation of L'avenir Bridge	40.0	16.0	35.0		5.0	
Rehabilitation of St Denis Bridge, Chamarel	30.0	16.3	26.0	1.0		
Upgrading of Choisy Bridge, Poste Lafayette	50.0	59.7	19.0	2.6		
Consultancy services for Supervision works	0.0		22.0	18.0	1.7	1.0
GRAND TOTAL – RDA, NEF, COVID 19 FUND	3,720.4	3,501.4	5,282.4	5,232.2	4,440.3	3,259.0