



Anhui Road Maintenance Innovation and Demonstration Project (P153173)

EAST ASIA AND PACIFIC | China | Transport Global Practice |
IBRD/IDA | Investment Project Financing | FY 2017 | Seq No: 8 | ARCHIVED on 28-Apr-2021 | ISR45897 |

Implementing Agencies: Anhui Provincial Transport Department, International Economic and Financial Cooperation Dept., Ministry of Finance, PRC

Key Dates**Key Project Dates**

Bank Approval Date: 21-Feb-2017

Effectiveness Date: 17-Aug-2017

Planned Mid Term Review Date: 01-Jul-2020

Actual Mid-Term Review Date: 01-Jul-2020

Original Closing Date: 31-Dec-2023

Revised Closing Date: 31-Dec-2023

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project Development Objective (PDO) is to improve highway maintenance delivery and asset management capacity in the participating municipalities and county in Anhui Province.

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

No

Components Table

Name

Component A: Road Asset Management System Upgrade:(Cost \$1.31 M)
Component B: Road Maintenance Commercialization:(Cost \$131.71 M)
Component C: Innovative and Preventive Maintenance Technologies:(Cost \$111.90 M)
Component D: Emergency Response Capacity:(Cost \$11.54 M)
Component E: Institutional Capacity Building:(Cost \$0.94 M)

Overall Ratings

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

Implementation Status and Key Decisions

The World Bank loan became effective on August 17, 2017. The implementation of the Project is ongoing. By December 31, 2020, 30 contracts under the Project had been signed with a total amount of RMB752.94 million investment. About 81% of the signed contracts had been completed. The Project consists of five components. The implementation progress of the five components is varied. For Component A, 85% of the signed contract has been completed. The road asset management system (RAMS) has been upgraded and is under trial operation at provincial wide, except three modules that are under development. Training has been provided to staff prior to the trial operation. For Component B, 23% of the signed contract has been completed. The bidding documents of all the OPRC contracts were reviewed by the Bank team and got no objection for procurement. Of which, two contracts are under implementation, two contracts are awarded, and two contracts are being procured. For Component C, 90% of the signed contracts have been completed. 21 contracts were completed, one contract is under implementation, one contract is being



procured, and bidding documents of another 2 contracts are under preparation. 11 maintenance technologies have been piloted under Component C to improve maintenance quality and reduce maintenance costs. For Component D, no contract has been procured so far. The bid documents are under preparation. For Component E, the Project provided a total of 26.85 person-months of various trainings. The TOR of assessing fund requirements and providing sustainable funding for road maintenance has been developed.

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	Low	Low	Low
Macroeconomic	Moderate	Moderate	Moderate
Sector Strategies and Policies	Moderate	Moderate	Moderate
Technical Design of Project or Program	Substantial	Substantial	Moderate
Institutional Capacity for Implementation and Sustainability	Substantial	Substantial	Substantial
Fiduciary	Substantial	Substantial	Moderate
Environment and Social	Moderate	Moderate	Moderate
Stakeholders	Moderate	Moderate	Moderate
Other	--	Moderate	Moderate
Overall	Substantial	Substantial	Moderate

Results

PDO Indicators by Objectives / Outcomes

improve highway maintenance delivery				
► 1. Roads in good and fair condition (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	60.00	84.00	89.10	90.00
Date	12-Apr-2016	29-Jul-2020	31-Dec-2020	31-Mar-2023
► 2. Emergency events, under the jurisdiction of the emergency centers, responded to within required time limits (Percentage, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	80.00	80.00	80.00	95.00
Date	12-Apr-2016	29-Jul-2020	31-Dec-2020	31-Mar-2023
►3. Proposed rehabilitation and periodic maintenance works program based on the recommendations of the asset management system (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	75.00
Date	12-Apr-2016	29-Jul-2020	31-Dec-2020	31-Mar-2023

improve asset management capacity				
►4. Highway asset management capacity (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	29.00	40.00	40.00	80.00
Date	12-Apr-2016	29-Jul-2020	31-Dec-2020	31-Mar-2023

Intermediate Results Indicators by Components

Component A: Road Asset Management System Upgrade				
►1. Road Asset Management Systems are updated (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	12-Apr-2016	29-Jul-2020	31-Dec-2020	31-Mar-2023
►2. Decision-making "To Be" model developed and operational (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	12-Apr-2016	29-Jul-2020	31-Dec-2020	31-Mar-2023

Component B: Road Maintenance Commercialization				
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►3. Length of roads improved/maintained by PBC (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	18.00	100.00
Date	12-Apr-2016	29-Jul-2020	31-Dec-2020	30-Jun-2023

►4. Road safety measures implemented as part of the maintenance delivery (% coverage of sections with rehabilitation) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	18.00	100.00
Date	12-Apr-2016	29-Jul-2020	31-Dec-2020	31-Mar-2023

Component C: Innovative and Preventive Maintenance Technologies				
►5. New maintenance technologies and materials applied in project roads (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	52.00	64.00	100.00
Date	12-Apr-2016	29-Jul-2020	31-Dec-2020	31-Mar-2023

►6. Manuals covering all technologies prepared and disseminated (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	12-Apr-2016	29-Jul-2020	31-Dec-2020	31-Mar-2023

Component D: Emergency Response Capacity				
►7. Maintenance emergency response centers are established (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	1.00	2.00
Date	12-Apr-2016	29-Jul-2020	31-Dec-2020	31-Mar-2023

►8. Emergency centers with updated equipment (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	6.00



Date	12-Apr-2016	29-Jul-2020	31-Dec-2020	31-Mar-2023
Component E: Institutional Capacity Building				
▶ 10. Person-months of staff trained (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	26.85	26.85	110.00
Date	12-Apr-2016	29-Jul-2020	31-Dec-2020	31-Mar-2023
□ Women trained (sub-indicator by gender) (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	15.40	15.40	15.00
▶ 11. Citizen Engagement: Public uploads in CRAMS responded to (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	95.00
Date	12-Apr-2016	29-Jul-2020	31-Dec-2020	31-Mar-2023

Performance-Based Conditions

Data on Financial Performance

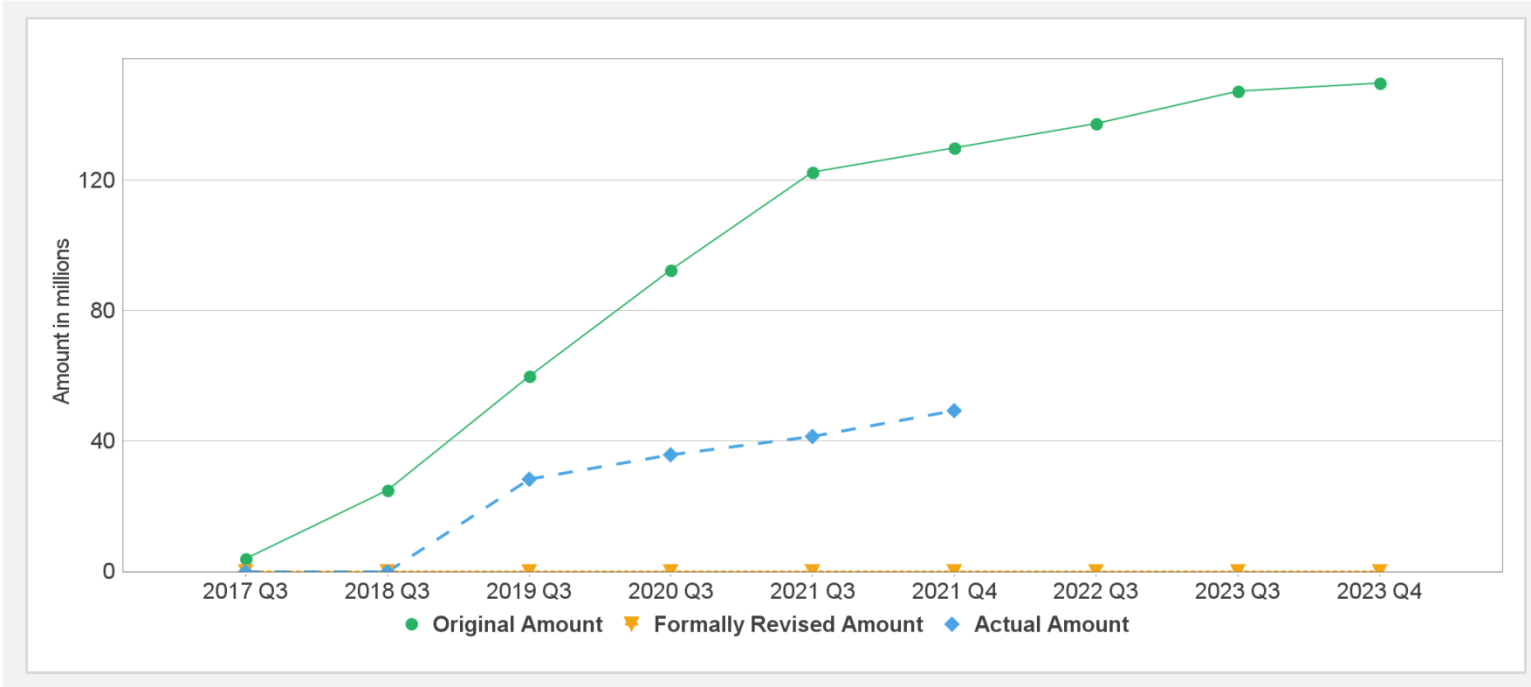
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P153173	IBRD-87030	Effective	USD	150.00	150.00	0.00	49.78	100.22	33%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P153173	IBRD-87030	Effective	21-Feb-2017	11-Apr-2017	17-Aug-2017	31-Dec-2023	31-Dec-2023

Cumulative Disbursements



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
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Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.